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MILITARY CONSTRUCTION APPROPRIATIONS FOR 1991

HEARINGS

BEFORE A

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ONE HUNDRED FIRST CONGRESS
SECOND SESSION

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Department of the Navy

FY 1991
BUDGET ESTIMATES

MILITARY CONSTRUCTION & FAMILY HOUSING PROGRAM

January 1990

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM

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(3)

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM
SUMMARY OF LOCATIONS

STATE/COUNTRY	AUTH. REQUEST ($000)	APPRO. REQUEST ($000)
INSIDE THE UNITED STATES		
ALASKA	38.250	38.250
ARIZONA	3.720	3.720
CALIFORNIA	240,812	240,812
CONNECTICUT	41,490	41,490
DISTRICT OF COLUMBIA	9,850	9,850
FLORIDA	65,910	65,910
GEORGIA	68,035	68,035
HAWAII	25,040	25,040
ILLINOIS	4,630	4,630
INDIANA	13,520	13,520
KENTUCKY	5,660	5,660
MAINE	38,182	38,182
MARYLAND	31,040	86,088
MISSISSIPPI	8,710	8,710
NEW JERSEY	85,400	20,100
NEW YORK	19,692	19,692
NORTH CAROLINA	43.120	43.120
PENNSYLVANIA	10,770	10,770
RHODE ISLAND	6,230	6.230
SOUTH CAROLINA	37,860	37,860
TEXAS	11,850	11,850
VIRGINIA	120.360	120.360
WASHINGTON	128,997	128,997
SUBTOTAL	1,059,128	1,048,876
OUTSIDE THE UNITED STATES		
BERMUDA	378	378
CUBA	18.409	18.409
GUAM	16.819	16.819
ICELAND	40,167	40,167
ITALY	11,753	11,753
JAPAN	4.052	4.052
SPAIN	1,105	1,105
UNITED KINGDOM	2,182	2,182
SUBTOTAL	94,865	94,865
VARIOUS LOCATIONS	154,559	154,559
TOTAL - FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM	1,308,552	1,298,300
LESS FAMILY HOUSING	185,000	185,000
TOTAL - FY 1991 MILITARY CONSTRUCTION PROGRAM	1,123,552	1,113,300

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM
INDEX OF LOCATIONS

STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP. REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES				
ALASKA		NAVAL AIR STATION, ADAK, ALASKA				
	892	SOLID WASTE DISPOSAL FACILITY	4,250	4,250	60	475
		SUBTOTAL	4,250	4,250		
		NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA				
	075	OPERATIONS BUILDING ADDITION	3,000	3,000	50	5
		SUBTOTAL	3,000	3,000		
		FLEET SURVEILLANCE SUPPORT COMMAND, AMCHITKA ISLAND, ALASKA				
	001	ELECTRONIC INSTALLATION	31,000	31,000	35	9
		SUBTOTAL	31,000	31,000		
		TOTAL - ALASKA	38,250	38,250		
ARIZONA		MARINE CORPS AIR STATION, YUMA, ARIZONA				
	441	AVIATION SUPPLY WAREHOUSE	3,720	3,720	40	13
		SUBTOTAL	3,720	3,720		
		TOTAL - ARIZONA	3,720	3,720		
CALIFORNIA		MARINE CORPS AIR STATION, CAMP PENDELTON, CALIFORNIA				
	564	CONSTRUCTION AND WEIGHT HANDLING EQUIPMENT SHOP	4,110	4,110	100	17
		SUBTOTAL	4,110	4,110		
		AMPHIBIOUS TASK FORCE CAMP PENDLETON, CALIFORNIA				
	953	LANDING CRAFT AIR CUSHION SUPPORT COMPLEX	8,470	8,470	60	21
		SUBTOTAL	8,470	8,470		
		MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA				
	229	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP	5,330	5,330	35	25
	890	FAMILY HOUSING	11,805	11,805	N/A	508
	977	MESS HALL	3,720	3,720	100	27
	996	MILITARY OPERATIONS IN URBANIZED TERRAIN	10,860	10,860	45	29
		SUBTOTAL	31,715	31,715		
		NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA				
	431	ADVANCED WEAPONS LABORATORY	17,585	17,585	50	33
		SUBTOTAL	17,585	17,585		

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM
INDEX OF LOCATIONS

STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP. REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES.				
CALIFORNIA		NAVAL WEAPONS STATION, CONCORD, CALIFORNIA				
	292	RAILROAD/VEHICULAR BRIDGE	9,850	9,850	35	37
		SUBTOTAL	9,850	9,850		
		NAVAL WEAPONS STATION SEAL BEACH ANNEX, CORONA, CALIFORNIA				
	171	WEAPONS TESTING AND EVALUATION FACILITY	8,870	8,870	50	41
		SUBTOTAL	8,870	8,870		
		MARINE CORPS AIR STATION, EL TORO, CALIFORNIA				
	381	DATA PROCESSING CENTER	3,970	3,970	35	45
	341	HAZARDOUS AND FLAMMABLE STOREHOUSES	3,010	3,010	100	47
		SUBTOTAL	6,980	6,980		
		NAVAL AIR STATION, LEMOORE, CALIFORNIA				
	888	WEAPONS SCHOOL ADDITION	900	900	100	486
		SUBTOTAL	900	900		
		LONG BEACH NAVAL SHIPYARD, LONG BEACH, CALIFORNIA				
	235	ASBESTOS REMOVAL SHOP	500	500	80	486
		SUBTOTAL	500	500		
		NAVAL STATION, LONG BEACH, CALIFORNIA				
	614	FAMILY HOUSING	25,018	25,018	N/A	513
	201	WHARF UTILITIES UPGRADE	3,520	3,520	100	53
		SUBTOTAL	28,538	28,538		
		NAVAL AIR STATION, MIRAMAR, CALIFORNIA				
	346	TOPGUN ACADEMIC FACILITY	4,040	4,040	70	57
	888	WEAPONS SCHOOL ADDITION	1,420	1,420	80	59
		SUBTOTAL	5,460	5,460		
		NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA				
	161	LECTURE HALL ADDITION AND SEISMIC UPGRADE	2,190	2,190	45	63
	146	PUBLIC WORKS COMPLEX	6,620	6,620	50	65
		SUBTOTAL	8,810	8,810		
		NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA				
	573	HIGH EXPLOSIVE MAGAZINES	1,510	1,510	100	69
		SUBTOTAL	1,510	1,510		

DEPARTMENT OF THE NAVY
FY 1981 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM
INDEX OF LOCATIONS

STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP. REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES				
CALIFORNIA		PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA				
	187	FAMILY HOUSING OFFICE	513	513	N/A	538
	063	SECURITY IMPROVEMENTS	2,070	2,070	45	73
		SUBTOTAL	2,583	2,583		
		NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA				
	474	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT	2,010	2,010	100	78
		SUBTOTAL	2,010	2,010		
		NAVAL SHIP WEAPON SYSTEMS ENGINEERING STA., PORT HUENEME, CALIFORNIA				
	012	WEAPON SYSTEMS INTEGRATION LABORATORY	10,150	10,150	40	83
		SUBTOTAL	10,150	10,150		
		FLEET ANTISUB WARFARE TRAINING CENTER PAC, SAN DIEGO, CALIFORNIA				
	231	BACHELOR ENLISTED QUARTERS	8,950	8,950	100	87
		SUBTOTAL	8,950	8,950		
		NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA				
	095	COMBINED RESEARCH LABORATORY	11,760	11,760	45	91
		SUBTOTAL	11,760	11,760		
		NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA				
	092	OILY WASTE SYSTEM	540	540	90	486
		SUBTOTAL	540	540		
		NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA				
	066	COLD STORAGE WAREHOUSE	8,800	8,800	40	97
		SUBTOTAL	8,800	8,800		
		NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA				
	191	BARRACKS	5,630	5,630	90	101
	331	RECRUIT SUPPORT CENTER AND CHAPEL	5,779	5,779	35	103
	347	SMALL ARMS RANGE	3,820	3,820	85	105
		SUBTOTAL	15,229	15,229		
		NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA				
	815	FAMILY HOUSING	31,880	31,880	N/A	510
	149	STEAM DISTRIBUTION SYSTEM IMPROVEMENTS	3,320	3,320	90	108
		SUBTOTAL	35,200	35,200		

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM
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STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP. REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES				
CALIFORNIA		NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA				
	073	POTABLE WATER SYSTEM	1,472	1,472	100	113
		SUBTOTAL	1,472	1,472		
		MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA				
	428	FIELD MAINTENANCE SHOP	3,620	3,620	60	117
	470	INDUSTRIAL WASTEWATER TREATMENT FACILITIES	2,600	2,600	60	475
	447	POTABLE WATER STORAGE TANK	4,600	4,600	45	119
		SUBTOTAL	10,820	10,820		
		TOTAL - CALIFORNIA	240,812	240,812		
CONNECTICUT		NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT				
	130	BACHELOR OFFICER QUARTERS MODERNIZATION	5,000	5,000	40	123
	413	QUAYWALL REPLACEMENT	9,150	9,150	45	125
	424	THAMES RIVER DREDGING	8,350	8,350	40	127
		SUBTOTAL	22,500	22,500		
		NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT				
	398	OPERATIONAL TRAINER FACILITY	18,990	18,990	45	131
		SUBTOTAL	18,990	18,990		
		TOTAL - CONNECTICUT	41,490	41,490		
DISTRICT OF COLUMBIA		NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA				
	115	ELECTRO-OPTICS RESEARCH LABORATORY	9,850	9,850	35	135
		SUBTOTAL	9,850	9,850		
		TOTAL - DISTRICT OF COLUMBIA	9,850	9,850		
FLORIDA		NAVAL AIR STATION, JACKSONVILLE, FLORIDA				
	174	ANTI-SUBMARINE WARFARE TRAINING FACILITY	2,810	2,810	40	139
	186	WASTEWATER SYSTEM IMPROVEMENTS	6,330	6,330	40	141
		SUBTOTAL	9,140	9,140		
		NAVAL AVIATION DEPOT, JACKSONVILLE, FLORIDA				
	616	INDUSTRIAL WASTEWATER TREATMENT FACILITIES	14,670	14,670	40	476
		SUBTOTAL	14,670	14,670		

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM
INDEX OF LOCATIONS

STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP. REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES				
FLORIDA		NAVAL AIR STATION, KEY WEST, FLORIDA				
	636	CARIBBEAN REGIONAL OPERATIONS CENTER	4,020	4,020	35	147
	620	EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FACILITY	3,010	3,010	70	149
		SUBTOTAL	7,030	7,030		
		FLEET TRAINING CENTER, MAYPORT, FLORIDA				
	168	FIRE FIGHTING TRAINING FACILITY	4,300	4,300	70	153
		SUBTOTAL	4,300	4,300		
		NAVAL STATION, MAYPORT, FLORIDA				
	830	POTABLE WATER SYSTEM IMPROVEMENTS	4,950	4,950	40	157
		SUBTOTAL	4,950	4,950		
		NAVAL TRAINING CENTER, ORLANDO, FLORIDA				
	200	BARRACKS	10,960	10,960	100	161
	240	MESS HALL	7,070	7,070	40	163
		SUBTOTAL	18,030	18,030		
		NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA				
	301	COMPUTATION AND ANALYSIS LABORATORY ADDITION	4,330	4,330	40	167
		SUBTOTAL	4,330	4,330		
		NAVY PUBLIC WORKS CENTER, PENSACOLA, FLORIDA				
	111	WATER AND SEWER PIPELINES SEPARATION	3,460	3,460	60	476
		SUBTOTAL	3,460	3,460		
		TOTAL - FLORIDA	65,910	65,910		
GEORGIA		MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA				
	605	INDUSTRIAL WASTE TREATMENT PLANT IMPROVEMENTS	1,360	1,360	40	175
		SUBTOTAL	1,360	1,360		
		NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA				
	418	BACHELOR ENLISTED QUARTERS	7,230	7,230	40	179
	364	EXPLOSIVES HANDLING WHARF	56,615	56,615	40	181
	420	SMALL ORDNANCE MAGAZINE	620	620	40	487
	414	TRIDENT TRAINING FACILITY ADDITIONS	2,210	2,210	50	183
		SUBTOTAL	66,675	66,675		
		TOTAL - GEORGIA	68,035	68,035		

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM
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STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP. REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES				
HAWAII		MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII				
	541	AIRCRAFT RINSE FACILITY	1,650	1,650	100	187
		SUBTOTAL	1,650	1,650		
		NAVAL MAGAZINE, LUALUALEI, HAWAII				
	117	ELECTRICAL DISTRIBUTION LINES RELOCATION	1,660	1,660	50	191
		SUBTOTAL	1,660	1,660		
		COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII				
	417	SURTASS SUPPORT CENTER	12,780	12,780	55	195
		SUBTOTAL	12,780	12,780		
		NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII				
	114	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS	2,010	2,010	50	199
		SUBTOTAL	2,010	2,010		
		NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII				
	504	AUTOMOTIVE VEHICLE MAINTENANCE SHOP	6,940	6,940	45	203
		SUBTOTAL	6,940	6,940		
		TOTAL - HAWAII	25,040	25,040		
ILLINOIS		NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS				
	471	FIREMAN APPRENTICE TRAINING SCHOOL	2,170	2,170	45	207
		SUBTOTAL	2,170	2,170		
		NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILLINOIS				
	538	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS	1,760	1,760	50	211
	378	STORM SEWER SYSTEM IMPROVEMENTS	700	700	40	487
		SUBTOTAL	2,460	2,460		
		TOTAL - ILLINOIS	4,630	4,630		
INDIANA		NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA				
	224	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP	7,700	7,700	40	215
	243	MECHANIZED MATERIALS MANAGEMENT FACILITY	4,170	4,170	35	217
	225	TEST AND EVALUATION FACILITY	1,650	1,650	0	221
		SUBTOTAL	13,520	13,520		
		TOTAL - INDIANA	13,520	13,520		

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM
INDEX OF LOCATIONS

STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP. REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES				
KENTUCKY		NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY				
	215	PHALANX SHOP MODERNIZATION	5,660	5,660	50	225
		SUBTOTAL	5,660	5,660		
		TOTAL - KENTUCKY	5,660	5,660		
MAINE		PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE				
	228	DRY DOCK MODERNIZATION AND COVER	38,182	38,182	40	229
		SUBTOTAL	38,182	38,182		
		TOTAL - MAINE	38,182	38,182		
MARYLAND		NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND				
	912	BACHELOR ENLISTED QUARTERS	9,040	9,040	75	233
		SUBTOTAL	9,040	9,040		
		NAVAL ORDNANCE STATION, INDIAN HEAD, MARYLAND				
	963	INDUSTRIAL WASTEWATER TREATMENT FACILITIES	6,430	6,430	50	476
		SUBTOTAL	6,430	6,430		
		NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND				
	420	SECURITY IMPROVEMENTS	3,010	3,010	80	239
	427	TEST PILOT SCHOOL	6,030	6,030	80	243
		SUBTOTAL	9,040	9,040		
		NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND				
	903	AVIATION PHYSIOLOGY TRAINING FACILITY	2,510	2,510	100	249
		SUBTOTAL	2,510	2,510		
		NAVAL ELECTRONIC SYSTEMS ENGINEERING ACT, ST. INIGOES, MARYLAND				
	723	FACSFAC ELECTRONIC SYSTEMS INTEGRATION	4,020	4,020	90	253
		SUBTOTAL	4,020	4,020		
		NAVAL INTELLEGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND				
	001	HEADQUARTERS BUILDING (INCREMENT II)	0	55,048	90	257
		SUBTOTAL	0	55,048		
		TOTAL - MARYLAND	31,040	86,088		

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM
INDEX OF LOCATIONS

STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES				
MISSISSIPPI		NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI				
	716	APPLIED INSTRUCTION BUILDING	1,170	1,170	40	261
	723	BARRACKS	7,540	7,540	60	263
		SUBTOTAL	8,710	8,710		
		TOTAL - MISSISSIPPI	8,710	8,710		
NEW JERSEY		NAVAL WEAPONS STATION, EARLE, NEW JERSEY				
	949	TRESTLES REPLACEMENT (PHASE I)	85,400	20,100	50	267
		SUBTOTAL	85,400	20,100		
		TOTAL - NEW JERSEY	85,400	20,100		
NEW YORK		NAVAL STATION, NEW YORK, NEW YORK				
	801	FAMILY HOUSING	19,692	19,692	N/A	523
		SUBTOTAL	19,692	19,692		
		TOTAL - NEW YORK	19,692	19,692		
NORTH CAROLINA		MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA				
	679	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS	4,120	4,120	100	271
	804	FIELD MAINTENANCE COMPLEX	21,000	21,000	45	273
	810	MECHANICS TRAINING BUILDING (INCREMENT III)	4,050	4,050	100	275
		SUBTOTAL	29,170	29,170		
		MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA				
	883	REGIMENTAL GROUP HEADQUARTERS	1,950	1,950	90	279
	017	WATER TREATMENT FACILITY	12,000	12,000	35	281
		SUBTOTAL	13,950	13,950		
		TOTAL - NORTH CAROLINA	43,120	43,120		
PENNSYLVANIA		NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA				
	163	AIRCRAFT TECHNOLOGIES LABORATORY	10,770	10,770	45	285
		SUBTOTAL	10,770	10,770		
		TOTAL - PENNSYLVANIA	10,770	10,770		
RHODE ISLAND		NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND				
	146	STEAM DISTRIBUTION SYSTEM UPGRADE	6,230	6,230	50	289
		SUBTOTAL	6,230	6,230		
		TOTAL - RHODE ISLAND	6,230	6,230		

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		INSIDE THE UNITED STATES				
SOUTH CAROLINA		MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA				
	366	BACHELOR ENLISTED QUARTERS	6,700	6,700	40	293
		SUBTOTAL	6,700	6,700		
		NAVAL STATION, CHARLESTON, SOUTH CAROLINA				
	747	PAY AND PERSONNEL SUPPORT OFFICE ADDITION	720	720	40	487
		SUBTOTAL	720	720		
		NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA				
	784	MISSILE MAGAZINE	1,910	1,910	60	299
	869	PROPULSION TRAINING FACILITY	25,120	25,120	50	301
		SUBTOTAL	27,030	27,030		
		MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA				
	118	CLOTHING ISSUE BUILDING	3,410	3,410	50	305
		SUBTOTAL	3,410	3,410		
		TOTAL - SOUTH CAROLINA	37,860	37,860		
TEXAS		NAVAL TECHNICAL TRAINING CENTER DETACHMENT LACKLAND AIR FORCE BASE, TEXAS				
	002	BACHELOR ENLISTED QUARTERS	11,850	11,850	35	309
		SUBTOTAL	11,850	11,850		
		TOTAL - TEXAS	11,850	11,850		
VIRGINIA		HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA				
	006	LOGISTICS SUPPORT FACILITY	2,810	2,810	90	313
		SUBTOTAL	2,810	2,810		
		NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA				
	249	SPACE SURVEILLANCE CENTER	9,850	9,850	90	317
		SUBTOTAL	9,850	9,850		
		FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACT DAM NECK, VIRGINIA				
	983	COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION	6,500	6,500	55	321
		SUBTOTAL	6,500	6,500		
		NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA				
	288	FAMILY HOUSING OFFICE	372	372	N/A	541
	337	LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)	12,460	12,460	45	325
	418	SURTASS SUPPORT CENTER ADDITION	8,010	8,010	50	329
		SUBTOTAL	20,842	20,842		

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VIRGINIA		NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA				
	366	LANDING CRAFT AIR CUSHION TRAINING FACILITY	1,800	1,800	60	333
	360	TRAINING MATERIALS STORAGE	800	800	60	488
		SUBTOTAL	2,600	2,600		
		FLEET TRAINING CENTER, NORFOLK, VIRGINIA				
	180	FIRE FIGHTING TRAINING FACILITY	16,080	16,080	80	337
		SUBTOTAL	16,080	16,080		
		NAVAL STATION, NORFOLK, VIRGINIA				
	834	ELECTRIC POWER UPGRADE	10,950	10,950	35	341
		SUBTOTAL	10,950	10,950		
		NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA				
	2084	FAMILY HOUSING COMMUNITY CENTER	417	417	N/A	544
	5079	FAMILY HOUSING COMMUNITY CENTER	417	417	N/A	546
	236	FUEL LINE	4,020	4,020	40	345
		SUBTOTAL	4,854	4,854		
		NAVAL AIR STATION, OCEANA, VIRGINIA				
	178	WEAPONS SYSTEM TRAINER BUILDING ADDITION	3,670	3,670	80	349
		SUBTOTAL	3,670	3,670		
		MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA				
	402	COMBAT DEVELOPMENT CENTER	16,094	16,094	40	353
	430	MARINE CORPS ACADEMIC RESEARCH LIBRARY	14,150	14,150	0	355
	408	MILITARY OPERATIONS IN URBANIZED TERRAIN	3,870	3,870	100	357
		SUBTOTAL	34,114	34,114		
		NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA				
	148	MIDWAY RESEARCH CENTER UPGRADE	2,600	2,600	75	361
		SUBTOTAL	2,600	2,600		
		AEGIS COMBAT SYSTEMS CENTER, WALLOPS ISLAND, VIRGINIA				
	327	AEGIS COMMAND AND LIFE SUPPORT FACILITY	5,490	5,490	50	365
		SUBTOTAL	5,490	5,490		
		TOTAL - VIRGINIA	120,360	120,360		

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WASHINGTON		TRIDENT REFIT FACILITY, BANGOR, WASHINGTON				
	057	CRANE TRACKAGE EXTENSION	910	910	100	488
	050	HAZARDOUS AND FLAMMABLE STOREHOUSE	2,110	2,110	35	369
		SUBTOTAL	3,020	3,020		
		TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON				
	993	FIRE FIGHTING TRAINING FACILITY	3,610	3,610	60	373
		SUBTOTAL	3,610	3,610		
		PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON				
	252	DRY DOCK UTILITIES UPGRADE	2,000	2,000	90	377
		SUBTOTAL	2,000	2,000		
		NAVAL STATION, EVERETT, WASHINGTON				
	089	CARRIER SUPPORT	15,777	15,777	75	381
	145	COMMUNICATION FACILITY	1,660	1,660	100	383
	117	SECURITY AND FIRE STATION	1,760	1,760	100	385
	082	UTILITIES AND SITE IMPROVEMENTS	3,070	3,070	100	387
		SUBTOTAL	22,267	22,267		
		NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON				
	295	AUTOMATED MATERIALS HANDLING FACILITY	7,340	7,340	60	391
	309	FIRE STATION	1,100	1,100	100	393
	337	SUBMARINE WEAPONS SYSTEMS SHOP	10,150	10,150	35	395
		SUBTOTAL	18,590	18,590		
		NAVAL HOSPITAL, OAK HARBOR, WASHINGTON				
	007	AVIATION PHYSIOLOGY TRAINING FACILITY	2,180	2,180	100	399
		SUBTOTAL	2,180	2,180		
		STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON				
	806	ENGINEERING SERVICES BUILDING	3,520	3,520	90	403
	943	MAGAZINE MODIFICATIONS	800	800	70	488
	937	MISSILE ASSEMBLY BUILDING	7,340	7,340	100	405
	809	MOTOR INSPECTION BUILDING	6,630	6,630	95	407
	807	RADIOGRAPHIC INSPECTION BUILDING	13,870	13,870	85	409
	935	TRAINING FACILITY ADDITION	9,740	9,740	65	411
	957	TRANSFER FACILITY ADDITION	3,520	3,520	100	413
	808	UTILITIES AND SITE IMPROVEMENTS	11,060	11,060	90	415
		SUBTOTAL	56,480	56,480		

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		INSIDE THE UNITED STATES				
WASHINGTON		NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON				
	889	OPERATIONAL AND MAINTENANCE TRAINER FACILITY (INCR I)	19,100	19,100	60	419
		SUBTOTAL	19,100	19,100		
		NAVAL FACILITY, WHIDBEY ISLAND, WASHINGTON				
	030	ELECTRIC POWER IMPROVEMENTS	1,750	1,750	95	423
		SUBTOTAL	1,750	1,750		
		TOTAL - WASHINGTON	128,997	128,997		
		SUBTOTAL - MILITARY CONSTRUCTION	969,014	958,762		
		SUBTOTAL - MILITARY CONSTRUCTION FOR FAMILY HOUSING	90,114	90,114		
		TOTAL - INSIDE THE UNITED STATES	1,059,128	1,048,876		
		OUTSIDE THE UNITED STATES				
BERMUDA		NAVAL AIR STATION, BERMUDA				
	1088	FAMILY HOUSING OFFICE	378	378	N/A	548
		SUBTOTAL	378	378		
		TOTAL - BERMUDA	378	378		
CUBA		NAVAL STATION, GUANTANAMO BAY, CUBA				
	803	FAMILY HOUSING	18,409	18,409	N/A	528
		SUBTOTAL	18,409	18,409		
		TOTAL - CUBA	18,409	18,409		
GUAM		NAVAL MAGAZINE, GUAM				
	809	TOMAHAWK SUPPORT COMPLEX	9,319	9,319	40	427
		SUBTOTAL	9,319	9,319		
		NAVY PUBLIC WORKS CENTER, GUAM				
	141	SANITARY WASTEWATER SYSTEM UPGRADE	7,500	7,500	40	477
		SUBTOTAL	7,500	7,500		
		TOTAL - GUAM	16,819	16,819		
ICELAND		NAVAL AIR STATION, KEFLAVIK, ICELAND				
	812	FAMILY HOUSING	27,479	27,479	N/A	533
	463	FUEL FACILITIES	2,440	2,440	80	433
		SUBTOTAL	29,919	29,919		

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		OUTSIDE THE UNITED STATES				
ICELAND		NAVAL COMMUNICATION STATION, KEFLAVIK, ICELAND				
	802	COMMUNICATION CENTER	10,248	10,248	35	439
		SUBTOTAL	10,248	10,248		
		TOTAL - ICELAND	40,167	40,167		
ITALY		NAVAL COMMUNICATION STATION, SICILY, ITALY				
	305	RECEIVER FACILITY	1,513	1,513	45	443
		SUBTOTAL	1,513	1,513		
		NAVAL AIR STATION, SIGONELLA, ITALY				
	218	CORROSION CONTROL HANGAR	8,390	8,390	80	447
	220	ENGINE MAINTENANCE SHOP ADDITION	1,850	1,850	50	449
		SUBTOTAL	10,240	10,240		
		TOTAL - ITALY	11,753	11,753		
JAPAN		MARINE CORPS AIR STATION, IWAKUNI, JAPAN				
	808	HANGAR CONVERSION	3,017	3,017	40	453
		SUBTOTAL	3,017	3,017		
		NAVAL SECURITY GROUP ACTIVITY HANZA, OKINAWA, JAPAN				
	001	FIRE PROTECTION SYSTEM	1,035	1,035	90	457
		SUBTOTAL	1,035	1,035		
		TOTAL - JAPAN	4,052	4,052		
SPAIN		NAVAL COMMUNICATION STATION, ROTA, SPAIN				
	556	OPERATIONS BUILDING UPGRADE	1,105	1,105	100	461
		SUBTOTAL	1,105	1,105		
		TOTAL - SPAIN	1,105	1,105		
UNITED KINGDOM		FLEET SURVEILLANCE SUPPORT COMMAND, BRAWDY WALES, UNITED KINGDOM				
	301	ELECTRONIC INSTALLATION	1,740	1,740	75	465
		SUBTOTAL	1,740	1,740		
		PERSONNEL SUPPORT ACTIVITY, LONDON, UNITED KINGDOM				
	610	PAY AND PERSONNEL SUPPORT OFFICE	442	442	100	489
		SUBTOTAL	442	442		
		TOTAL - UNITED KINGDOM	2,182	2,182		
		SUBTOTAL - MILITARY CONSTRUCTION	48,599	48,599		
		SUBTOTAL - MILITARY CONSTRUCTION FOR FAMILY HOUSING	46,266	46,266		

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		TOTAL - OUTSIDE THE UNITED STATES	94,865	94,865		
		VARIOUS LOCATIONS				
VARIOUS LOCATION						
	091	A&E SERVICES AND CONSTRUCTION DESIGN (FAMILY HOUSING)	6.200	6.200	N/A	581
		SUBTOTAL	6.200	6.200		
	091	POST ACQUISITIONS CONSTR (FAMILY HOUSING IMPROVEMENTS)	42.420	42.420	N/A	551
		SUBTOTAL	42.420	42.420		
		VARIOUS LOCATIONS				
	191	ACCESS ROADS	4.017	4.017	N/A	483
		SUBTOTAL	4.017	4.017		
		VARIOUS LOCATIONS				
	091	LAND ACQUISITION	10.660	10.660	N/A	469
		SUBTOTAL	10.660	10.660		
	091	UNSPECIFIED MINOR CONSTRUCTION	13.311	13.311	N/A	479
		SUBTOTAL	13.311	13.311		
	VAR	ARCHITECTURAL & ENGINEERING SERVICES & CONST DESIGN	76,951	76,951	N/A	481
		SUBTOTAL	76,951	76,951		
		HOST NATION INFRASTRUCTURE SUPPORT, NATO				
	091	HOST NATION INFRASTRUCTURE SUPPORT	1.000	1.000	N/A	489
		SUBTOTAL	1.000	1.000		
		TOTAL - VARIOUS LOCATION	154,559	154,559		
		SUBTOTAL - MILITARY CONSTRUCTION	105,939	105,939		
		SUBTOTAL - MILITARY CONSTRUCTION FOR FAMILY HOUSING	48.620	48.620		
TOTAL - FY 1991 MILITARY CONSTRUCTION PROGRAM			1,123,552	1,113,300		
TOTAL - FY 1991 MILITARY CONSTRUCTION FAMILY HOUSING PROGRAM			185.000	185.000		
GRAND TOTAL			1,308,552	1,298,300		

MISSION STATUS LIST
NEW OR CURRENT

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Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
		INSIDE THE UNITED STATES		
NAS Adak, AK	892	Solid Waste Disposal Facility	$ 4,250	C
NSGA Adak, AK	075	Operations Building Addition	3,000	C
FLTSURSUPPCOM Amchitka AK	001	Electronic Installation	31,000	N
MCAS Yuma, AZ	441	Aviation Supply Warehouse	3,720	N
AMPHIBTASKFORCE Camp Pendleton, CA	953	Landing Craft Air Cushion Complex	8,470	N
MCAS Camp Pendleton, CA	584	Construction and Weight Handling Equipment Shop	4,110	C
MCB Camp Pendleton, CA	229	Electronics Communications Maintenance Shop	5,330	C
	977	Mess Hall	3,720	C
	996	Military Operations in Urbanized Terrain	10,860	C
	890	Family Housing	11,805	C
NWC China Lake, CA	431	Advanced Weapons Laboratory	17,585	N
NWS Concord, CA	292	Railroad/Vehicular Bridge	9,850	C
NWS Seal Beach Annex, Corona	171	Weapons Testing and Evaluation Facility	8,870	C
MCAS, El Toro, CA	381	Data Processing Center	3,970	C
	341	Hazardous and Flammable Storehouses	3,010	C
NAS Lemoore, CA	888	Weapons School Addition	900	N
NSY Long Beach, CA	235	Asbestos Removal Shop	500	C
NS Long Beach, CA	201	Wharf Utilities Upgrade	3,520	N
	614	Family Housing	25,018	C
NAS Miramar, CA	346	Topgun Academic Facility	4,040	C
	888	Weapons School Addition	1,420	N
NPGS Monterey, CA	161	Lecture Hall Addition and Seismic Upgrade	2,190	C
	146	Public Works Complex	6,620	C
NAS North Island, CA	573	High Explosive Magazines	1,510	C
PMTC Point Mugu, CA	063	Security Improvements	2,070	C
	0187	Family Housing Office	513	C
NCBC Port Hueneme, CA	474	Electrical Distribution System Improvement	2,010	C
NSWSES Port Hueneme, CA	012	Weapon Systems Integration Laboratory	10,150	C
FASWTCPAC San Diego, CA	231	Bachelor Enlisted Quarters Addition	8,950	C
NOSC San Diego, CA	095	Combined Research Laboratory	11,760	C
NSB San Diego , CA	092	Oily Waste System	540	C
NSC San Diego, CA	086	Cold Storage Warehouse	8,800	C

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NTC San Diego, CA	191	Barracks	$ 5,630	C
	331	Recruit Support Center and Chapel	5,779	C
	347	Small Arms Range	3,820	C
NPWC San Diego, CA	149	Steam Distribution System Improvements	3,320	C
	815	Family Housing	31,880	C
NSGA Skaggs Island, CA	073	Potable Water System	1,472	C
MCAGCC Twentynine Palms, CA	428	Field Maintenance Shop	3,620	C
	470	Industrial Wastewater Treatment Facilities	2,600	C
	447	Potable Water Storage Tank	4,600	C
NSB New London, CT	130	Bachelor Officer Quarters Modernization	5,000	C
	413	Quaywall Replacement	9,150	C
	424	Thames River Dredging	8,350	N
NSS New London, CT	398	Operational Trainer Facility	18,990	N
NRL Washington, DC	115	Electro-Optics Research Laboratory	9,850	C
NAD Jacksonville, FL	616	Industrial Wastewater Treatment Facilities	14,670	C
NAS Jacksonville, FL	174	Anti-Submarine Warfare Training Facility	2,810	C
	188	Wastewater System Improvements	6,330	C
NAS Key West, FL	620	Explosive Ordnance Disposal Mobile Unit Facility	3,010	N
	636	Caribbean Regional Operations Center	4,020	C
FTC Mayport, FL	168	Fire Fighting Training Facility	4,300	C
NS Mayport, FL	830	Potable Water System Improvements	4,950	C
NTC Orlando, FL	200	Barracks	10,960	C
	240	Mess Hall	7,070	C
NCSC Panama City, FL	301	Computation and Analysis Laboratory Addition	4,330	C
NPWC Pensacola, FL	111	Water and Sewer Pipelines Separation	3,460	C
MCLB Albany, GA	605	Industrial Waste Treatment Plant Improvements	1,360	C
NSB Kings Bay, GA	418	Bachelor Enlisted Quarters	7,230	N
	364	Explosives Handling Wharf	56,615	N
	420	Small Ordnance Magazine	620	N
	414	Trident Training Facility Addition	2,210	N
MCAS Kaneohe Bay, HI	541	Aircraft Rinse Facility	1,650	C
NM Lualualei, HI	117	Electrical Distribution Lines Relocation	1,660	C
COMOCEANSYSPAC Pearl Harbor, HI	417	Surtass Support Center	12,780	N

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NSB Pearl Harbor, HI	114	Electrical Distribution System Improvements	$ 2,010	C
NPWC Pearl Harbor, HI	504	Automotive Vehicle Maintenance Shop	6,940	C
NTC Great Lakes, IL	471	Fireman Apprentice Training School	2,170	C
NPWC Great Lakes, IL	538	Electrical Distribution System Improvements	1,760	C
	378	Storm Sewer System Improvements	700	C
NWSC Crane, IN	224	Electronics Communications Maintenance Shop	7,700	C
	244	Mechanized Materials Management Facility	4,170	C
	225	Test and Evaluation Facility	1,650	C
NOS Louisville, KY	215	Phalanx Shop Modernization	5,660	C
Portsmouth NSY, Kittery, ME	228	Dry Dock Modernization and Cover	38,182	N
NATNAVMEDCEN Bethesda, MD	912	Bachelor Enlisted Quarters	9,040	C
NOS Indian Head, MD	963	Industrial Wastewater Treatment Facilities	6,430	C
NATC Patuxent River, MD	420	Security Improvements	3,010	C
	427	Test Pilot School	6,030	C
NH Patuxent River, MD	903	Aviation Physiology Training Facility	2,510	C
NESEA St. Inigoes, MD	723	FACSFAC Electronic Systems Integration	4,020	C
NAVINTELCOMHDQTRS Suitland, MD	001A	Headquarters Building (Increment II)	55,048	C
NCTC Gulfport, MS	716	Applied Instruction Building	1,170	C
	723	Barracks	7,540	C
NWS Earle, NJ	949	Trestles Replacement (Phase I)	20,130	C
NS New York, NY	801	Family Housing	19,692	N
MCB Camp Lejeune, NC	679	Electronics Communications Maintenance Shops	4,120	C
	804	Field Maintenance Complex	21,000	C
	810	Mechanics Training Building (Increment III)	4,050	C
MCAS Cherry Point, NC	883	Regimental Group Headquarters	1,950	C
	017	Water Treatment Facility	12,000	C
NADC Warminster, PA	163	Aircraft Technologies Laboratory	10,770	C
NETC Newport, RI	146	Steam Distribution System Upgrade	6,230	C
MCAS Beaufort, SC	366	Bachelor Enlisted Quarters	6,700	C
NS Charleston, SC	747	Pay and Personnel Support Office Addition	720	C

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NWS Charleston, SC	784	Missile Magazine	$ 1,910	N
	869	Propulsion Training Facility	25,120	C
MCRD Parris Island, SC	118	Clothing Issue Building	3,410	C
NTTCDET Lackland AFB, TX	002	Bachelor Enlisted Quarters	11,850	C
HQTRSMARCORPS Arlington, VA	006	Logistics Support Facility	2,810	C
NAVSPASURSYS Dahlgren, VA	249	Space Surveillance Center	9,850	C
FLTCOMDIRSYSSUPPACT Dam Neck, VA	983	Computer Programming Operations Center Addition	6,500	C
NAB Little Creek, VA	337	Landing Craft Air Cushion Complex (Increment II)	12,460	N
	418	SURTASS Support Center Addition	8,010	N
	0288	Family Housing Community Center	372	C
NAVPHIBSCOL Little Creek, VA	366	Landing Craft Air Cushion Training Facility	1,800	N
	360	Training Materials Storage	800	C
FTC Norfolk, VA	180	Fire Fighting Training Facility	16,080	C
NS Norfolk, VA	834	Electric Power Upgrade	10,950	C
NPWC Norfolk, VA	236	Fuel Line	4,020	C
	5079	Family Housing Community Center	417	C
	2084	Family Housing Community Center	417	C
NAS Oceana, VA	178	Weapons System Trainer Building Addition	3,670	N
MCCDC Quantico, VA	402	Combat Development Center	16,094	C
	408	Military Operations in Urbanized Terrain	3,870	C
	430	Marine Corps Academic Research Library	14,150	C
NRL Annex, Quantico, VA	148	Midway Research Center Upgrade	2,600	N
AEGISCOMBATSYSCEN, Wallops Island, VA	327	AEGIS Command and Life Support Facility	5,490	C
TRIDENTREFITFAC Bangor, WA	057	Crane Trackage Extension	910	C
	050	Hazardous and Flammable Storehouse	2,110	C
TRIDENTTRAINFAC Bangor, WA	993	Fire Fighting Training Facility	3,610	C
Puget Sound NSY Bremerton, WA	252	Dry Dock Utilities Upgrade	2,000	C
NS Everett, WA	089	Carrier Pier Support	15,777	N
	145	Communications Facility	1,660	N
	117	Security and Fire Station	1,760	N
	082	Utilities and Site Improvements	3,070	N

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NUWES Keyport, WA	295	Automated Materials Handling Facility	$ 7,340	C
	309	Fire Station	1,100	C
	337	Submarine Weapons Systems Shop	10,150	C
NH Oak Harbor, WA	007	Aviation Physiology Training Facility	2,180	C
STRAWEAPFACPAC Silverdale, WA	806	Engineering Services Building	3,520	N
	943	Magazine Modifications	800	N
	937	Missile Assembly Building	7,340	N
	809	Motor Inspection Building	6,630	N
	807	Radiographic Inspection Building	13,870	N
	935	Training Facility Addition	9,740	N
	957	Transfer Facility Addition	3,520	N
	808	Utilities and Site Improvements	11,060	N
NAS Whidbey Island, WA	889	Operational and Maintenance Trainer Facility (Increment I)	19,100	N
NF Whidbey Island, WA	030	Electric Power Improvements	1,750	C

OUTSIDE THE UNITED STATES

Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
NAS Bermuda	1088	Family Housing Office	378	C
NS Guantanamo Bay, CU	803	Family Housing	18,409	C
NM Guam	809	Tomahawk Support Complex	9,319	N
NPWC Guam	141	Sanitary Wastewater System Upgrade	7,500	C
NAS Keflavik, IC	463	Fuel Facilities	2,440	C
	812	Family Housing	27,479	C
NCS Keflavik, IC	802	Communication Center	10,248	C
NCS Sicily, IT	305	Receiver Facility	1,513	C
NAS Sigonella, IT	218	Corrosion Control Hangar	8,390	C
	220	Engine Maintenance Shop Addition	1,850	C
NSGA Hanza, Okinawa JA	001	Fire Protection System	1,035	C
MCAS Iwakuni, JA	809	Hangar Conversion	3,017	C
NCS Rota, SP	556	Operations Building Addition	1,105	C
PLTSURSUPPCOM Brawdy Wales, UK	301	Electronic Installation	1,740	N
PERSUPACT London, UK	610	Pay and Personnel Support Office	442	C

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Mission Status Index
(Dollars in Thousands)

Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
Various Locations	091	Host Nation Infrastructure	$ 1,000	N/A
	091	Land Acquisition	10,660	N/A
	VAR	Architectural and Engineering Services and Construction Design (MILCON)	76,951	N/A
		(Family Housing)	6,200	N/A
	091	Post Acquisitions Construction (Family Housing Improvements)	42,420	N/A
	091	Unspecified Minor Construction	13,311	N/A
	191	Access Roads	4,017	N/A
Total - Various Locations			154,559	
Total - Current Mission			770,091	
Total - New Mission			373,650	
Total - FY 1991 Military Construction and Family Housing Program			1,298,300	

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BUDGET APPENDIX EXTRACT

Military Construction, Navy

For acquisition, construction, installation, and equipment of temporary or permanent public works, naval installations, facilities, and real property for the Navy as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, [$1,139,250,000] $1,113,300,000, to remain available until September 30, [1994] 1995: Provided, That of this amount, not to exceed [$82,000,000] $76,951,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor. [Provided further, That none of the funds available to the Department of the Navy in this or any other Act may be utilized to initiate agricultural leases of more than one year's duration on land in or around Naval Air Station, Fallon, Nevada.] (10 U.S.C. 2675, 2802-05, 2807, 2828, 2851-54, 2857; Military Construction Appropriations Act, 1990, additional authorizing legislation to be proposed.)

Military Construction, Navy
Program and Financing (in thousands of dollars) SUMMARY

Identification code	17-1205-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction	1,413,587	1,021,210	1,019,021	1,332,545	1,056,052	1,038,983
00.0201	Minor construction	16,300	14,080	13,311	18,187	14,265	14,341
00.0301	Planning	140,810	82,000	76,951	137,578	76,923	76,411
00.0401	Supporting activities	11,819	5,810	4,017	7,643	12,192	5,149
00.9101	Total direct program	1,582,516	1,123,100	1,113,300	1,495,953	1,159,432	1,134,884
01.0101	Reimbursable program	389,724	300,000	300,000	394,066	300,000	300,000
10.0001	Total	1,972,240	1,423,100	1,413,300	1,890,019	1,459,432	1,434,884
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)	-299,567	-204,800	-204,800	-292,463	-204,800	-204,800
14.0001	Non-Federal sources(-)	-90,157	-95,200	-95,200	-83,336	-95,200	-95,200
17.0001	Recovery of prior year obligations				-18,374		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-358,636	-440,374	-404,042
21.4003	Available to finance new budget plans			-16,150			-16,150
21.4009	Reprograming from/to prior year budget pla	-4,931					
22.4001	Unobligated balance transferred to other acc	-3,800			-3,800		
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				440,374	404,042	382,458
24.4003	Available to finance subsequent year budge		16,150			16,150	
25.0001	Unobligated balance lapsing	2,731			2,731		
39.0001	Budget authority	1,576,516	1,139,250	1,097,150	1,576,516	1,139,250	1,097,150
	Budget authority:						
40.0001	Appropriation	1,576,516	1,139,250	1,113,300	1,576,516	1,139,250	1,113,300
41.7201	Transferred to other accounts (unob bals)			-16,150			-16,150
43.0001	Appropriation (adjusted)	1,576,516	1,139,250	1,097,150	1,576,516	1,139,250	1,097,150
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net				1,514,220	1,159,432	1,134,884
72.4001	Obligated balance, start of year				1,536,940	1,553,719	1,286,951
74.4001	Obligated balance, end of year				-1,553,719	-1,286,951	-1,192,035
77.0001	Adjustments in expired accounts (net)				-4,117		
78.0001	Adjustments in unexpired accounts				-18,374		
90.0001	Outlays				1,474,950	1,426,200	1,229,800

Military Construction, Navy

Program and Financing (in Thousands of dollars) FISCAL YEAR 1991

Identification code 17-1205-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction			1,019,021			887,119
00.0201	Minor construction			13,311			11,980
00.0301	Planning			76,951			69,256
00.0401	Supporting activities			4,017			3,615
00.9101	Total direct program			1,113,300			971,970
01.0101	Reimbursable program			300,000			300,000
10.0001	Total			1,413,300			1,271,970
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)			-204,800			-204,800
14.0001	Non-Federal sources(-)			-95,200			-95,200
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans						141,330
40.0001	Budget authority (Appropriation)			1,113,300			1,113,300

Military Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1990

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
Identification code	17-1205-0-1-051	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction		1,021,210			889,089	67,079
00.0201	Minor construction		14,080			12,672	563
00.0301	Planning		82,000			73,800	3,281
00.0401	Supporting activities		5,810			5,729	232
00.9101	Total direct program		1,123,100			980,790	71,155
01.0101	Reimbursable program		300,000			300,000	
10.0001	Total		1,423,100			1,280,790	71,155
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds( )		204,800			204,800	
14.0001	Non-Federal sources(-)		-95,200			-95,200	
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						-142,310
21.4003	Available to finance new budget plans			16,150			-16,150
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					142,310	71,155
24.4003	Available to finance subsequent year budge		16,150			16,150	
39.0001	Budget authority		1,139,250	-16,150		1,139,250	-16,150
	Budget authority:						
40.0001	Appropriation		1,139,250			1,139,250	
41.2201	Transferred to other accounts (unob bals)			-16,150			-16,150
43.0001	Appropriation (adjusted)		1,139,250	-16,150		1,139,250	-16,150

Military Construction, Navy
Program and Financing (in Thousands of Dollars) FISCAL YEAR 1989

Identification code 17-1205-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1989 actual	1990 est.	1991 est.	Obligations 1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction	1,413,587			1,132,025	103,047	32,936
00.0201	Minor construction	16,300			14,606	716	489
00.0301	Planning	140,810			134,038	2,902	-3,870
00.0401	Supporting activities	11,819			4,824	6,286	355
00.9101	Total direct program	1,582,516			1,285,493	112,951	37,650
01.0101	Reimbursable program	389,724			389,724		
10.0001	Total	1,972,240			1,675,217	112,951	37,650
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)	-299,567			-299,567		
14.0001	Non-Federal sources(-)	-90,157			-90,157		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans					-297,023	-184,072
22.4001	Unobligated balance transferred to other acc	-6,000			-6,000		
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				297,023	184,072	146,422
40.0001	Budget authority (Appropriation)	1,576,516			1,576,516		

Military Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1988

Identification code 17 1205 0 1 051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction				95,504	19,108	26,635
00.0201	Minor construction				786	762	460
00.0301	Planning				3,451		
00.9101	Total direct program				99,741	19,870	27,095
01.0101	Reimbursable program				3,737		
10.0001	Total				103,478	19,870	27,095
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)				-3,061		
14.0001	Non-Federal sources(-)				7,194		
17.0001	Recovery of prior year obligations				-7,871		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-172,457	-70,516	-50,646
21.4009	Reprograming from/to prior year budget pla	-2,200					
22.4001	Unobligated balance transferred to other acc	2,200			2,200		
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				70,516	50,646	23,551
39.0001	Budget authority						

Military Construction, Navy

Program and Financing (in thousands of dollars) FISCAL YEAR 1987

Identification code	17 1205 0 1 051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1989 actual	1990 est.	1991 est.	Obligations 1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction				36,826	21,412	25,214
00.0201	Minor construction				1,545	23	849
00.0301	Planning				38	205	4
00.0401	Supporting activities				2,291	555	947
00.9101	Total direct program				40,700	22,195	27,014
01.0101	Reimbursable program				605		
10.0001	Total				41,305	22,195	27,014
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)				1,833		
14.0001	Non-Federal sources(-)				-573		
17.0001	Recovery of prior year obligations				-1,866		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-89,908	-49,209	-27,014
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				49,209	27,014	
-39.0001	Budget authority						

Military Construction, Navy
Program and Financing (In Thousands of dollars) FISCAL YEAR 1986

Identification code 17-1205-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction				45,287	23,396	
00.0201	Minor construction				585	92	
00.0301	Planning				51	16	
00.0401	Supporting activities				340	122	
10.0001	Total				46,263	23,626	
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)				3,605		
14.0001	Non Federal sources(-)				168		
17.0001	Recovery of prior year obligations				-3,773		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-69,889	-23,626	
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				23,626		
39.0001	Budget authority						

Military Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1985

Identification code 17-1205-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction				22,903		
00.0201	Minor construction				665		
00.0401	Supporting activities				188		
10.0001	Total				23,756		
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)				4,727		
14.0001	Non-Federal sources(-)				32		
17.0001	Recovery of prior year obligations				-4,864		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-26,382		
21.4009	Reprograming from/to prior year budget pla	-2,731					
25.0001	Unobligated balance lapsing	2,731			2,731		
39.0001	Budget authority						

Military Construction, Navy
Object Classification (in Thousands of dollars) SUMMARY

Identification code 17-1205-0-1-051		1989 actual	1990 est.	1991 est.
	Direct obligations:			
	Personnel compensation:			
111.101	Full-time permanent	96,376	99,919	103,705
111.301	Other than full-time permanent	1,404	3,755	3,856
111.501	Other personnel compensation	3,346	3,539	3,618
111.901	Total personnel compensation	101,126	107,213	111,179
112.101	Personnel Benefits: Civilian personnel	15,266	21,582	23,564
121.001	Travel and transportation of persons	5,244	5,258	5,272
122.001	Transportation of things	2,802	2,377	2,277
123.201	Rental payments to others	6,464	5,489	5,256
124.001	Printing and reproduction	1,461	1,277	1,238
	Other services:			
125.001	Payments to foreign national indirect hire personnel	2,082	1,430	1,373
125.003	Contracts	34,131	26,138	24,524
126.001	Supplies and materials	2,401	2,042	1,955
131.001	Equipment	1,846	1,589	1,536
132.001	Land and structures	1,310,023	978,308	951,561
199.001	Total Direct obligations	1,482,846	1,152,703	1,129,735
	Reimbursable obligations:			
	Personnel Compensation:			
211.101	Full-time permanent	17,902	14,619	15,828
211.301	Other than full-time permanent	345	1,080	672
211.501	Other personnel compensation	815	551	572
211.901	Total personnel compensation	19,062	16,250	17,072
212.101	Personnel Benefits: Civilian Personnel	9,121	3,282	3,675
221.001	Travel and transportation of persons	2,557	2,557	2,557
222.001	Transportation of things	28	28	28
223.201	Rental payments to others	116	116	116
224.001	Printing and reproduction	2,800	2,800	2,800
	Other services:			
225.003	Contracts	1,020	1,020	1,020
226.001	Supplies and materials	60	60	60
231.001	Equipment	100	100	100
232.001	Land and structures	359,202	273,787	272,572
299.001	Total Reimbursable obligations	394,066	300,000	300,000
	Allocation Accounts			
	Personnel compensation:			
311.101	Full-time permanent	24	24	26
311.301	Other than full-time permanent	11	11	11
311.501	Other personnel compensation	5	5	5
311.901	Total personnel compensation	40	40	42

Military Construction, Navy
Object Classification (in Thousands of dollars) SUMMARY

Identification code 17-1205-0-1-051		1989 actual	1990 est.	1991 est.
312.101	Personnel benefits: Civilian personnel	4	4	4
321.001	Travel and transportation of persons	24	24	24
322.001	Transportation of things	12	12	12
	Other services:			
325.004	Other	125	125	125
326.001	Supplies and materials	4	4	4
332.001	Land and structures	12,898	6,520	4,938
399.001	Total Allocation Accounts	13,107	6,729	5,149
999.901	Total obligations	1,890,019	1,459,432	1,434,884
	Obligations are distributed as follows:			
	Defense-Military:Navy	1,876,912	1,540,077	1,445,552
	Department of Transportation	13,107	6,729	5,149
	Total Obligations	1,890,019	1,546,806	1,450,701

SPECIAL PROGRAM CONSIDERATIONS

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION PROGRAM

Special Program Considerations

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at Naval and Marine Corps installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

The military construction projects proposed in this program will be designed for minimum energy consumption.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

Planning in the National Capital Region

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the commission's annual review of the Five-Year Defense Program (FYDP). Construction projects within the District of Columbia with the exception of the Bolling/Anacostia area are submitted to the Commission for approval prior to the start of construction.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (Public Law 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the military construction program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives can be evaluated, a primary economic analysis was prepared and the results indicated on the DD Form 1391.

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION PROGRAM

Special Program Considerations (Continued)

Construction Criteria Manual

Project designs conform to Part II of Military Handbook 1190, "Facility Planning and Design Guide."

Drug Interdiction Program

The total amount for the drug interdiction program in the FY 1991 budget request is $4,020,000 for the following project:

PROJECT	LOCATION	AMOUNT REQUESTED ($000)
Caribbean Regional Operations Center	NAS Key West, FL	4,020

Non-MILCON Construction

The Senate Appropriations Committee on page 24 of the FY 1988 Report 100-200 and the Committee of Conference, House and Senate Appropriation Committees on page 1006 of the FY 1988 Report 100-498 required information on non-MILCON construction in other appropriations for FY 1991. This information is shown below:

a. Operation and Maintenance, Navy
Minor Construction, $75,865,000

b. Operation and Maintenance, Marine Corps
Minor Construction, $28,200,000

c. Research and Development, $15,329,000

d. Aircraft Procurement, Navy, $9,999,000

TEST OF
LONG-TERM FACILITIES CONTRACTS
10 USC 2809

Department of the Navy
FY 1991 Military Construction and Family Housing Program
List of 10 USC 2809 - Test of Long-Term Facilities Contracts Projects
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Estimated Military Construction Cost
California		Marine Corps Air Station, El Toro	
	411	Bachelor Officer Quarters	$ 6,180
New Jersey		Naval Air Engineering Center, Lakehurst	
	008	Child Development Center	1,930
		Naval Air Propulsion Center, Trenton	
	009	Child Development Center	1,310
Virginia		Naval Station, Norfolk	
	786	Child Development Center	1,960
		Naval Electronic Systems Engineering Center, Portsmouth	
	309	Administrative Office	6,680
Washington		Naval Undersea Warfare Engineering Station, Keyport	
	367	Child Development Center	1,480
TOTAL - Section 10 USC 2809			19,540

(Note: Preliminary economic analyses have been prepared which indicate that the above projects are more cost-effective to the government than the MILCON alternatives. Prior to award of each project, a final economic analysis will be prepared and submitted for review and 21-day Congressional notification.)

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	4. PROJECT TITLE BACHELOR OFFICER QUARTERS

5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 724.11	7. PROJECT NUMBER P-411	8. PROJECT COST ($000) 6,180

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS	SF	52,230	85.00	4,440
SUPPORTING FACILITIES	-	-	-	1,110
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(260)
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(580)
SUBTOTAL	-	-	-	5,550
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST	-	-	-	5,830
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	350
TOTAL REQUEST	-	-	-	6,180
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a public private venture project using 10 U.S.C. 2809 authority. Multi-story building, pile foundation; minimum of 100 private rooms with bath and some with kitchens; lounges, laundry, storage, vending, mechanical equipment; air conditioning; fire protection system; utilities; demolition of three buildings.

Grade Mix: 73 W1-02, 27 03-above. Total: 100 PN.

11. REQUIREMENT: 232 PN. ADEQUATE: 24 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for 100 bachelor officer personnel.

REQUIREMENT: Adequate housing for officer personnel who are either transient or permanent support assignments.

CURRENT SITUATION: Station has adequate housing for only a small portion of its bachelor officers. Most officers are required to live off-base, in hard to find housing or in housing which does not meet minimum occupancy standards.

IMPACT IF NOT PROVIDED: Adequate billeting will not be available for officer personnel. Occupancy in substandard quarters will continue with an adverse impact on morale, recruitment, and the retention of Marine officers for a military career.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR ENGINEERING CENTER, LAKEHURST, NEW JERSEY	4. PROJECT TITLE CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT 0702026N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-008	8. PROJECT COST ($000) 1,930

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD DEVELOPMENT CENTER	SF	15,000	-	1,490
BUILDING	SF	15,000	92.00	(1,380)
BUILT-IN EQUIPMENT	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	240
UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT	LS	-	-	(130)
SUBTOTAL	-	-	-	1,730
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,820
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	110
TOTAL REQUEST	-	-	-	1,930
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a public/private venture project using 10 U.S.C. 2809 authority. One-story building, concrete foundation and floor; utility connections; fire protection system; air conditioning; fenced playground; parking.

11. REQUIREMENT: 21,000 SF. ADEQUATE: 6,000 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a child development center to accommodate 200 school and pre-school age children and infants.

REQUIREMENT: A child care center provides supervised care for infants, pre-school, and school age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is temporarily unable to care for them. Child care centers are a necessary element in today's environment as their availability alleviates many problems incurred by parents who are single, both working, or with other special needs. These centers make the quality of life more appealing to station personnel and their dependents.

CURRENT SITUATION: The existing child care facilities, located in two separate facilities, are not large enough to support the military population.

IMPACT IF NOT PROVIDED: Deficiencies in child care support for the military population will rise, adversely effecting morale and reducing re-enlistments.

DD FORM 1 DEC 76 1391
S/N 0102 LF 001 3910

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR PROPULSION CENTER, TRENTON, NEW JERSEY	4. PROJECT TITLE CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-009	8. PROJECT COST ($000) 1,310

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD DEVELOPMENT CENTER	SF	9,380	-	960
BUILDING	SF	9,380	97.00	(910)
BUILT-IN EQUIPMENT	LS	-	-	(50)
SUPPORTING FACILITIES.	-	-	-	220
UTILITIES.	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(120)
SUBTOTAL	-	-	-	1,180
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,240
SUPERVISION, INSPECTION & OVERHEAD (6%). . . .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,310
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a public/private venture project using 10 U.S.C. 2809 authority. One story building, concrete floor and foundation; utility connections; fire protection system; air conditioning; fenced playground; and parking.

11. REQUIREMENT: 9,380 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a centralized child development center to accommodate 125 school and pre-school age children and infants.

REQUIREMENT: A child care center provides supervised care for infants, pre-school, and school age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is temporarily unable to care for them. Child care centers are a necessary element in today's environment as their availability alleviates many problems incurred by parents who are single, both working, or with other special needs. These centers make the quality of life more appealing to station personnel and their dependents.

CURRENT SITUATION: Child Care facilities do not exist at this center.

IMPACT IF NOT PROVIDED: Deficiencies in child care support for the civilian population will rise, effecting morale and increasing civilian turnover.

DD FORM 1 DEC 76 1391

S/N 0102-LF-001-3910

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, NORFOLK, VIRGINIA	4. PROJECT TITLE CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-786	8. PROJECT COST ($000) 1,960

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD DEVELOPMENT CENTER	SF	20,630	72.00	1,490
SUPPORTING FACILITIES.	-	-	-	270
UTILITIES, PAVING AND SITE IMPROVEMENTS. .	LS	-	-	(270)
SUBTOTAL	-	-	-	1,760
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,850
SUPERVISION, INSPECTION & OVERHEAD (6%). . .	-	-	-	110
TOTAL REQUEST.	-	-	-	1,960
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a public/private venture project using 10 U.S.C. 2809 authority. One-story building; child activity rooms, infant area, isolation room, office space, food service area, laundry area, staff lounge, reception area, and outside playgrounds; fire protection system; air conditioning; parking, roads, sidewalks, and site improvements.

11. REQUIREMENT: 20,630 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a child development center to accommodate 275 school and pre-school age children and infants of active duty military and civilian employees.

REQUIREMENT: A child care center provides supervised care for infants, pre-school, and school age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is temporarily unable to care for them. Child care centers are a necessary element in today's environment as their availability alleviates many problems incurred by military and civilian parents who are single, both working, or with other special needs. These centers make the quality of life more appealing to military and civilian personnel and their dependents.

CURRENT SITUATION: The existing on-base child care center does not have sufficient space to support the projected child care needs of active duty and civilian employees. Approximately 2,595 employees have expressed an interest in utilizing an on-base child care center.

IMPACT IF NOT PROVIDED: Sufficient child care facilities will not be available to meet the needs of military and civilian personnel, impacting on retention rates.

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1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL ELECTRONIC SYSTEMS ENGINEERING, CENTER, PORTSMOUTH, VIRGINIA	4. PROJECT TITLE ADMINISTRATIVE OFFICE

5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-309	8. PROJECT COST ($000) 6,680

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADMINISTRATIVE OFFICE.	SF	67,530	74.00	5,000
SUPPORTING FACILITIES.	-	-	-	1,000
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(240)
UTILITIES, PAVING, AND SITE IMPROVEMENT. .	LS	-	-	(760)
SUBTOTAL	-	-	-	6,000
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST.	-	-	-	6,300
SUPERVISION, INSPECTION & OVERHEAD (5%). . .	-	-	-	380
TOTAL REQUEST.	-	-	-	6,680
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This a public/private venture project using 10 U.S.C 1809 authority. Three-story building with controlled access spaces; telecommunications systems; elevators; energy management system; road improvements; parking; fire protection system; utilities.

11. REQUIREMENT: 67,530 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides an administrative office to support the entire engineering and computer support effort of this center.

REQUIREMENT: An adequately-configured facility to consolidate administrative functions for the engineering and computer support effort of this center into a single work place.

CURRENT SITUATION: This center provides critical support to the fleet with the primary emphasis on improvement in fleet readiness at a reduced cost, elimination of delays in correcting design problems, providing real time technical assistance to the fleet, and reducing the dependence of the fleet of on-site technical representatives which are in short supply. Expanding requirements of fleet electronics in the areas of command and control, secure communications, electronic warfare, fleet communications, and data links have become a vital element of the Navy's capability to perform. Adequate engineering design, computer hardware and software support, laboratory, engineering production support, and engineering management space for direct fleet support is not available.

IMPACT IF NOT PROVIDED: Critical functions will not receive the admministrative support required and fleet readiness will be compromised.

DD FORM 1 DEC 76 1391   PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102 LF 001 3910

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WASHINGTON	4. PROJECT TITLE CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-367	8. PROJECT COST ($000) 1,480

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD DEVELOPMENT CENTER	SF	11,250	99.00	1,110
SUPPORTING FACILITIES.	-	-	-	220
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(220)
SUBTOTAL	-	-	-	1,330
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,400
SUPERVISION, INSPECTION & OVERHEAD (6%). . .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,480
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a public/private venture project using 10 U.S.C. 2809 authority. One-story building, including infirmary, toilet facilities, laundry room, staff room, infant room, diaper station, store room, kitchenette, quiet room, multi-purpose room, toddler room, intermediate room, youth room; fire protection system; air conditioning, utilities, and access road.

11. REQUIREMENT: 11,250 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a child development center to accommodate school and pre-school for 150 children of military and civilian employees.

REQUIREMENT: A child care center provides supervised care for infants, pre-school, and school age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is temporarily unable to care for them. Child care centers are a necessary element in today's environment as their availability alleviates many problems incurred by civilian parents who are single, both working, or with other special needs. These centers make the quality of life more appealing to personnel and their dependents.

CURRENT SITUATION: No child care facilities exist for dependents of either military or civilian employees at this activity. The nearest facility, at the Naval Submarine Base, Bangor, currently has a waiting list of over 169. Employees are required to use facilities in the private sector at a much higher cost.

IMPACT IF NOT PROVIDED: Severe impact on the morale and retention of military and civilian personnel.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102 LF 001 3910

PROJECT JUSTIFICATION FORMS INSIDE THE UNITED STATES

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONST COST INDEX
NAVAL AIR STATION, ADAK, ALASKA	COMMANDER IN CHIEF, PACIFIC FLEET	3.52

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	79	2169	190	0	0	0	105	491	0	3034
b. END FY 1995	79	2169	190	0	0	0	105	491	0	3034

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(52,181)	
b. INVENTORY TOTAL AS OF 30 SEP 89		327,610
c. AUTHORIZATION NOT YET IN INVENTORY		62,340
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,250
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		31,110
g. REMAINING DEFICIENCY		1,550
h. **GRAND TOTAL**		426,860

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
833.20	SOLID WASTE DISPOSAL FAC	LS	4,250	05/89	06/90
	TOTAL		4,250		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BEQ MODERNIZATION	43,510 SF	8,250
143.60	EXPLOSIVES TRANSFER FAL	LS	940
141.25	FIRE STATION	25,510 SF	7,120
143.65	OPERATIONAL CONTROL CTR	27,200 SF	11,600
880.10	FIRE ALARM SYS IMPROV	LS	3,200

10. MISSION OR MAJOR FUNCTIONS

Maintain and operate facilities; provide services and materials to support operations of aviation activities and units of the operating forces of the Navy and other activities and units; and provide emergency services to ships and aircraft throughout the Aleutian chain, the Bering Sea, and the North Pacific. Deployment site for a P-3 aircraft ASW patrol squadron (nine aircraft).

Navy Security Group Activity
Naval Facility
Marine Barracks

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. POLLUTION ABATEMENT	10
B. INSTALLATION RESTORATION	49,730
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	600

DD FORM 1390
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SECURITY GROUP ACTIVITY,
ADAK, ALASKA

4. COMMAND

NAVAL SECURITY GROUP
COMMAND

5. AREA CONSTR
COST INDEX

3.52

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	23	568	16	0	0	0	0	0	0	607
b. END FY 1995	22	606	16	0	0	0	0	0	0	644

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,820)	
b. INVENTORY TOTAL AS OF 30 SEP 89		67,030
c. AUTHORIZATION NOT YET IN INVENTORY		17,460
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		23,000
h. **GRAND TOTAL**		113,690

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.55	OPERATIONS BLDG ADDITION	1,200 SF	3,000	03/89	08/90
	TOTAL		3,000		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)

143.80	CLASSIC WIZARD	11,200 SF	3,200	-	-
	TOTAL		3,200		

B. MAJOR PLANNED NEXT THREE YEARS
NONE

10. MISSION OR MAJOR FUNCTIONS

This activity is part of the worldwise telecommunications system providing tactical ship-to-shore and point-to-point communications for the Navy Defense Communications Systems and Naval Security Group operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA		4. PROJECT TITLE OPERATIONS BUILDING ADDITION	
5. PROGRAM ELEMENT N F I P 0305896N	6. CATEGORY CODE 131.55	7. PROJECT NUMBER P-075	8. PROJECT COST ($000) 3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS BUILDING ADDITION	SF	1,400	-	610
BUILDING ADDITION	SF	1,400	414.00	(580)
BUILT-IN EQUIPMENT	LS	-	-	(30)
SUPPORTING FACILITIES	-	-	-	2.080
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(800)
ELECTRICAL UTILITIES	LS	-	-	(940)
MECHANICAL UTILITIES	LS	-	-	(290)
PAVING AND SITE IMPROVEMENT	LS	-	-	(50)
SUBTOTAL	-	-	-	2.690
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	2.830
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	170
TOTAL REQUEST	-	-	-	3.000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete building addition, pile foundation, computer flooring, ventilation and air conditioning, utilities upgrade; fire protection system to include the entire building; building alterations; emergency generator.

11. REQUIREMENT: 37,700 SF ADEQUATE: 36,300 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an addition to the operations building; fire protection for the entire facility. (Current mission.)

REQUIREMENT:

Additional properly-configured space to accommodate mission essential electronic systems in support of critical Defense Communications System (DCS) communications. Fire protection to meet current regulations.

CURRENT SITUATION:

The existing facility is inadequate to support any additional modern electronic equipment, and is presently without required fire protection.

IMPACT IF NOT PROVIDED:

The NSGA will not be able to accommodate new DCS supporting equipment, and will continue to operate in inadequate facilities without fire protection.

12. SUPPLEMENTAL DATA

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	09-89

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA

4. PROJECT TITLE

OPERATIONS BUILDING ADDITION

5. PROJECT NUMBER

P-075

12. SUPPLEMENTAL DATA: (CONTINUED)

(D) DATE DESIGN COMPLETE		08-90
(2) BASIS:		
(A) STANDARD OR DEFINITIVE DESIGN:		YES___ NO x
(B) WHERE DESIGN WAS MOST RECENTLY USED	N/A	
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E)		($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS		(90)
(B) ALL OTHER DESIGN COSTS		(60)
(C) TOTAL		150
(D) CONTRACT		(130)
(E) IN-HOUSE		(20)
(4) CONSTRUCTION START		01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

FLEET SURVEILLANCE SUPPORT COMMAND,
AMCHITKA ISLAND, ALASKA

4. COMMAND

CHIEF OF NAVAL
OPERATIONS

5. AREA CONSTR COST INDEX

3.48

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	7	34	2	0	0	0	0	0	72	115
b. END FY 1995	15	135	2	0	0	0	0	0	210	362

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF		0
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		31,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. **GRAND TOTAL**		31,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
134 70	ELECTRONIC INSTALLATION	LS	31,000	06/89	07/90
	TOTAL		31,000		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)
NONE

B. MAJOR PLANNED NEXT THREE YEARS
NONE

10. MISSION OR MAJOR FUNCTIONS

Surveillance, early warning, and target identification. Effective management of air intercept capability.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A	POLLUTION ABATEMENT	0
B	INSTALLATION RESTORATION	0
C	OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM
	2. DATE

3. INSTALLATION AND LOCATION FLEET SURVEILLANCE SUPPORT COMMAND, AMCHITKA ISLAND, ALASKA	4. PROJECT TITLE ELECTRONIC INSTALLATION

5. PROGRAM ELEMENT 0204577N	6. CATEGORY CODE 134.70	7. PROJECT NUMBER P-001	8. PROJECT COST ($000) 31,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONIC INSTALLATION	LS	-	-	22,470
PUBLIC WORKS SUPPORT FACILITIES	LS	-	-	(9,670)
PERSONNEL SUPPORT FACILITIES	LS	-	-	(8,220)
PIER AREA IMPROVEMENTS	LS	-	-	(3,890)
ARCTIC ENTRIES-CORRIDORS	LS	-	-	(690)
SUPPORTING FACILITIES	-	-	-	5,250
UTILITIES	LS	-	-	(4,400)
PAVING AND SITE IMPROVEMENT	LS	-	-	(850)
SUBTOTAL	-	-	-	27,720
CONTINGENCY (5%)	-	-	-	1,390
TOTAL CONTRACT COST	-	-	-	29,110
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	1,890
TOTAL REQUEST	-	-	-	31,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(88,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Site preparation and base-camp support for Relocatable Over the Horizon Radar (ROTHR) System installation; personnel support facilities, operations facility, power plant, roads, security fencing, utilities upgrade, initial antenna site preparation.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides site preparation, support facilities, and utilities upgrade for ROTHR systems installations. (New mission)

REQUIREMENT:

Adequate facilities to accommodate and support air defenses in the Pacific area surveillance, early warning, target identification, and effective management of air intercept capability. To compensate for the vast size of the Pacific area and available resources, there is a requirement for long-range tactical surveillance and warning of a foreign country threat to supplement information available from intelligence sources, land-based air defense radars, and organic battle group assets. This project will support the initial ROTHR recently installed, as well as a second ROTHR increment on the Aleutian Island of Amchitka.

CURRENT SITUATION:

Classified, information available upon request.

IMPACT IF NOT PROVIDED:

The new mission cannot be accomplished, since existing facilities do not have this capability.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

FLEET SURVEILLANCE SUPPORT COMMAND, AMCHITKA ISLAND, ALASKA

4. PROJECT TITLE

ELECTRONIC INSTALLATION

5. PROJECT NUMBER

P-001

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	01-90
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(800)
(B) ALL OTHER DESIGN COSTS	(950)
(C) TOTAL	1,750
(D) CONTRACT	(1,600)
(E) IN-HOUSE	(150)

(4) CONSTRUCTION START 03-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ANTENNA AND OPERATIONAL EQUIPMENT	OPN	1991	88,000
		TOTAL	88,000

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX 1.19

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	153	771	608	80	6	0	292	3273	644	5827
b. END FY 1995	164	705	559	90	0	0	538	3684	638	6378

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(462,599)	
b. INVENTORY TOTAL AS OF 30 SEP 89		166,110
c. AUTHORIZATION NOT YET IN INVENTORY		34,380
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,720
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		620
f. PLANNED IN NEXT THREE PROGRAM YEARS		18,165
g. REMAINING DEFICIENCY		71,700
h. **GRAND TOTAL**		294,695

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.10	AVIATION SUPPLY WAREHOUSE	46,390 SF	3,720	10/88	09/90
	TOTAL		3,720		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92):				
740.43	PHYSICAL FITNESS CTR ADDN	LS	620	-	-
	TOTAL		620		
	B. MAJOR PLANNED NEXT THREE YEARS				
136.45	WHEEL WATCH/WAVEOFF FAC	LS	815		
872.15	AIR STATION SECURITY	LS	1,250		
211.05	AIRCRAFT MAINT HANGAR	LS	12,000		
724.22	BACHELOR OFFICER QUARTERS	45 PN	4,100		

10. MISSION OR MAJOR FUNCTIONS:

Provide facilities, services, and material necessary to support major operating elements of a Marine Aircraft Wing, including aircraft maintenance, air-traffic control, and aviation ordnance handling.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	4,520
C: OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA	4. PROJECT TITLE AVIATION SUPPLY WAREHOUSE

5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 441.10	7. PROJECT NUMBER P-441	8. PROJECT COST ($000) 3,720

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION SUPPLY WAREHOUSE	SF	46,390	-	2,890
BUILDING-GENERAL STORAGE	SF	44,370	59.00	(2,620)
HAZARDOUS AND FLAMMABLE STORAGE	SF	2,020	134.00	(270)
SUPPORTING FACILITIES	-	-	-	450
UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(350)
SUBTOTAL	-	-	-	3,340
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,510
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	210
TOTAL REQUEST	-	-	-	3,720
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry load-bearing wall high-bay building, concrete foundation and floor, built-up roof, 16-foot stacking height, controlled humidity storage, administrative space sound attenuated and air conditioned, fire protection system, utilities, sewage lift station; parking area.

11. REQUIREMENT: 171,290 SF ADEQUATE: 124,900 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs a warehouse for general aviation and hazardous and flammable storage. (New mission.)

REQUIREMENT:
Adequate storage facilities to accommodate the needs of Marine Air Group-13 (MAG-13). The MAG-13 complement of four attack aircraft squadrons and a support squadron places a significant impact on limited available space.

CURRENT SITUATION:
Yuma's adequate aviation supply warehouse space will satisfy only 73% of that necessary when a military construction project presently under construction is complete.

IMPACT IF NOT PROVIDED:
Yuma cannot adequately support MAG-13 and associated units with necessary warehouse space.

ADDITIONAL:
Insufficient warehousing in the civilian community limits leasing as a viable alternative.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, YUMA, ARIZONA

4. PROJECT TITLE

AVIATION SUPPLY WAREHOUSE

5. PROJECT NUMBER

P-441

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 10-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 40
(C) DATE DESIGN 35% COMPLETE 10-89
(D) DATE DESIGN COMPLETE 09-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED ____________________

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (110)
(B) ALL OTHER DESIGN COSTS . . . . . (90)
(C) TOTAL 200
(D) CONTRACT . . . . . (50)
(E) IN-HOUSE . . . . . (150)

(4) CONSTRUCTION START . . . . . 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION. CAMP PENDELTON. CALIFORNIA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX 1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	11	131	9	8	85	0	406	2250	0	2900
b. END FY 1995	9	115	14	124	72	0	564	2925	0	3823

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(411)	
b. INVENTORY TOTAL AS OF 30 SEP 89		54,190
c. AUTHORIZATION NOT YET IN INVENTORY		29,040
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,110
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,075
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,450
g. REMAINING DEFICIENCY		19,700
h. **GRAND TOTAL**		114,565

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218.20	CONSTR & WT HNDLG EQP SHOP	25,390	SF	4,110	04/88	09/89
	TOTAL			4,110		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
141.20	AC FIRE & RESC STA ADDN	LS		575	-	-
171.35	OPERATIONAL TRAINER	7,000	SF	1,000	-	-
851.10	ROADS & PARKING	70,000	SY	2,500	-	-
	TOTAL			4,075		
	B. MAJOR PLANNED NEXT THREE YEARS:					
211.05	OMA HANGAR ADDITION	LS		900		
121.10	AIR CRAFT DIRECT FUEL STA	600	GM	2,550		

10. MISSION OR MAJOR FUNCTIONS:

As a key component of the Commander, Marine Corps Air Bases, West, provides airfield facilities and material to support operations of the third Marine Aircraft Wing Unit.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

DD FORM 1390
1DEC76

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR STATION,
CAMP PENDELTON, CALIFORNIA

4. PROJECT TITLE
CONSTRUCTION AND WEIGHT
HANDLING EQUIPMENT SHOP

5. PROGRAM ELEMENT
0206496M

6. CATEGORY CODE
218.20

7. PROJECT NUMBER
P-584

8. PROJECT COST ($000)
4.110

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSTRUCTION AND WEIGHT HANDLING EQUIP SHOP	SF	25.390	87.00	2.210
SUPPORTING FACILITIES	-	-	-	1.480
ELECTRICAL UTILITIES	LS	-	-	(300)
MECHANICAL UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,020)
SUBTOTAL	-	-	-	3.690
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST	-	-	-	3.880
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4.110
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story steel frame building and one one-story shop building, concrete floors and foundations, masonry walls, built-up roof, training and administrative areas, hoists, sound attenuation, vehicle loading ramps, washracks, hazardous material storage, security fencing and lighting, fire protection system, air conditioning, utilities

11. REQUIREMENT 25,390 SF ADEQUATE 0 SF SUBSTANDARD 0 SF

PROJECT:

Provides facilities to house a heavy equipment shop, training, and administrative functions of the Marine Wing Support Squadron 372 (MWSS-372). (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities to train, service, and properly maintain vehicles and equipment assigned to the squadron, thereby extending their useful service life. MWSS-372 has approximately 600 personnel and 1.500 pieces of equipment.

CURRENT SITUATION:

MWSS-372 was recently organized at this station and there are no facilities available to house this function.

IMPACT IF NOT PROVIDED:

Tents, trailers, and temporary buildings will have to be used with an adverse effect on the squadron. The lack of facilities make it impossible to properly maintain the vehicles and equipment. The Commanding Officer and his staff will not be able to properly administer and supervise personnel and activities.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, CAMP PENDELTON, CALIFORNIA

4. PROJECT TITLE

CONSTRUCTION AND WEIGHT HANDLING EQUIPMENT SHOP

5. PROJECT NUMBER

P-584

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	04-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	11-88
(D) DATE DESIGN COMPLETE	09-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(205)
(B) ALL OTHER DESIGN COSTS	(215)
(C) TOTAL	420
(D) CONTRACT	(350)
(E) IN-HOUSE	(70)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS

NONE

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION AMPHIBIOUS TASK FORCE CAMP PENDLETON, CALIFORNIA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONST COST INDEX 1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 01/21/90	15	340	0	0	0	0	0	0	0	355
b. END FY 1995	29	675	0	0	0	0	0	0	0	704

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF MCB	
b. INVENTORY TOTAL AS OF 30 SEP 89		30,240
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,470
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		8,000
g. REMAINING DEFICIENCY		0
h. **GRAND TOTAL**		63,310

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.06	LCAC SUPPORT COMPLEX	LS	8,470	03/89	03/90
	TOTAL		8,470		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)					
721.11	BEQ	LS	5,300	-	-
211.05	LCAC COMPLEX (INCR IV)	LS	11,300		
B. MAJOR PLANNED NEXT THREE YEARS					
211.05	LCAC COMPLEX (INCR V)	LS	8,000		

10. MISSION OR MAJOR FUNCTIONS

Support one Assault Craft Unit with principal mission to operate and deploy landing craft air cushion equipment providing high-speed, over-the-beach, ship-to-shore amphibious lift capability to lift equipment organic to a Marine Corps amphibious force.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM 2. DATE
3. INSTALLATION AND LOCATION AMPHIBIOUS TASK FORCE CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE LANDING CRAFT AIR CUSHION SUPPORT COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	211.06	P-953	8,470

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LANDING CRAFT AIR CUSHION SUPPORT COMPLEX	LS	-	-	5,590
MAINTENANCE BUILDING	SF	24,620	127.00	(3,130)
LCAC PARKING APRON	SY	49,060	41.00	(2,010)
DIRECT FUELING FACILITIES	LS	-	-	(450)
SUPPORTING FACILITIES	-	-	-	2,020
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
ELECTRICAL UTILITIES	LS	-	-	(600)
MECHANICAL UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT	LS	-	-	(380)
ESTUARY IMPRS AND ENVIRONMENTAL MITIGATION	LS	-	-	(690)
SUBTOTAL	-	-	-	7,610
CONTINGENCY (5%)	-	-	-	380
TOTAL CONTRACT COST	-	-	-	7,990
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	480
TOTAL REQUEST	-	-	-	8,470
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel-frame and masonry high-bay building, concrete spread foundation footings, concrete floor, membrane sheet roofing, fire protection system, mechanical ventilation, utilities; parking apron; direct fueling facility; erosion control facilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs increment III to the Landing Craft Air Cushion (LCAC) support complex. (New Mission.)

REQUIREMENT:

Adequate and properly-configured facilities to accommodate and support the phased procurement of additional LCAC arriving between 1991 and 1993. The arrival of additional craft, for a total of 53, requires more parking apron, maintenance hangar bay support, and direct fueling capability.

CURRENT SITUATION:

The facility has been constructed in increments to meet operational and training requirements as the craft are delivered. Currently, 12 craft have been delivered. The procurement of craft has been accelerated and the existing facility cannot support the total planned 53 craft to be assigned to the activity.

IMPACT IF NOT PROVIDED:

The facility will not have the capacity to support the planned number of craft or meet training requirements.

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

AMPHIBIOUS TASK FORCE CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE

LANDING CRAFT AIR CUSHION SUPPORT COMPLEX

5. PROJECT NUMBER

P-953

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 60
(C) DATE DESIGN 35% COMPLETE 09-89
(D) DATE DESIGN COMPLETE 03-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS (240)
(B) ALL OTHER DESIGN COSTS (250)
(C) TOTAL 490
(D) CONTRACT (465)
(E) IN-HOUSE (25)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS BASE,
CAMP PENDLETON, CALIFORNIA

4. COMMAND

COMMANDANT OF THE
MARINE CORPS

5. AREA CONSTR COST INDEX

1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	324	3222	3496	0	598	0	2635	34684	372	45331
b. END FY 1995	1556	13130	4666	66	5497	0	1724	23903	0	50542

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(186.061)	
b. INVENTORY TOTAL AS OF 30 SEP 89		605.750
c. AUTHORIZATION NOT YET IN INVENTORY		199.180
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		19.910
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		28.517
f. PLANNED IN NEXT THREE PROGRAM YEARS		24.900
g. REMAINING DEFICIENCY		170.110
h. **GRAND TOTAL**		1,048.367

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217.10	ELECS COMMS MAINT SHOP	29.500 SF	5.330	02/89	07/90
722.10	MESS HALL	17.200 SF	3.720	09/88	01/90
179.45	MIL OPS IN URBANIZED TERRN	LS	10.860	02/89	07/90
	TOTAL		19.910		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)

143.45	ARMORY (PULGAS)	LS	340	-	-
214.51	AUTO ORGANIZATIONAL SHOP	LS	6,100	-	-
171.35	BASIC WARRIOR TRAINING	160.000 SF	10.577	-	-
143.45	BWT SUPT FACS (SAN ONOFRE)	LS	750	-	-
179.50	CBT TRNG AREA (SAN ONOFRE)	101,760 SF	1,750	-	-
813.20	ELEC UPGRD-HAYBARN CANYON	LS	7,700	-	-
721.45	MESS HALL EXPANSION	15,040 SF	1,300	-	-
	TOTAL		28.517		
	TOTAL		28.517		

10. MISSION OR MAJOR FUNCTIONS:

Provide housing, training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools and other training as directed. Organize and train replacement units for deployment overseas as directed. Provide logistical support for other Marine Corps activities as directed.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A: POLLUTION ABATEMENT	3.560
B: INSTALLATION RESTORATION	9.950
C: OCCUPATIONAL SAFETY AND HEALTH (OSH)	1.350

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS BASE,
CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE
ELECTRONICS COMMUNICATIONS
MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	217.10	P-229	5,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP	SF	29,500	-	2,750
ELECTRONICS COMMUNICATIONS SHOP	SF	24,500	99.00	(2,430)
VEHICLE EQUIPMENT STORAGE	SF	5,000	63.00	(320)
SUPPORTING FACILITIES	-	-	-	2,040
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(230)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,320)
DEMOLITION AND REMOVAL	LS	-	-	(200)
SUBTOTAL	-	-	-	4,790
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST	-	-	-	5,030
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	300
TOTAL REQUEST	-	-	-	5,330
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(-	-	(NON-ADD))	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, metal roofing, concrete foundation and floor, overhead cranes, fire protection system, energy monitoring and control system; one pre-engineered metal building, concrete foundation and floor, ventilation, utilities; demolition of two buildings, removal of contaminated underground tanks, soils, and asbestos; parking

11. REQUIREMENT: 29,500 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs facilities for maintenance and repair of electronics and communications equipment and vehicles assigned to the Headquarters Battalion. (Current mission.)

REQUIREMENT:
Adequate and properly-configured facilities to accomplish prescribed maintenance or electronics and communications equipment and vehicles.

CURRENT SITUATION:
Existing maintenance and storage facilities are dispersed, makeshift complexes consisting primarily of miscellaneous open repair sheds, tents, and quonset huts. Most repair and maintenance is accomplished outdoors where the mechanics and equipment are exposed to inclement weather and operations are complicated by dirt and dust. Indoor space is not only extremely limited, but unheated, poorly lighted and the atmosphere is not conducive to the quality of maintenance required by Fleet Marine Force units.

IMPACT IF NOT PROVIDED:
Meeting prescribed maintenance requirements will be complicated if not impossible, quality of maintenance will be compromised, deterioration of equipment will be accelerated, and support during combat could be unreliable.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA		
4. PROJECT TITLE ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP		5. PROJECT NUMBER P-229

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 119C, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
- (A) DATE DESIGN STARTED 02-89
- (B) PERCENT COMPLETE AS OF JANUARY 1990 35
- (C) DATE DESIGN 35% COMPLETE 07-89
- (D) DATE DESIGN COMPLETE 07-90

(2) BASIS:
- (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO _X_
- (B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
- (A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (265)
- (B) ALL OTHER DESIGN COSTS . . . . . (180)
- (C) TOTAL 445
- (D) CONTRACT . . . . . (380)
- (E) IN-HOUSE . . . . . (65)

(4) CONSTRUCTION START . . . . . 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS BASE,
CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE

MESS HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	722 10	P-977	3.720

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL	SF	17,200	163 00	2.800
SUPPORTING FACILITIES	-	-	-	540
UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT, DEMOLITON	LS	-	-	(380)
SUBTOTAL	-	-	-	3,340
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3.510
SUPERVISION, INSPECTION & OVERHEAD (6 0%)	-	-	-	210
TOTAL REQUEST	-	-	-	3.720
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roofing, concrete loading dock, separate outdoor storage facility, electronic monitored energy system, fire protection system, utilities; demolition of two buildings, removal of underground fuel tanks, contaminated soil and asbestos

11. REQUIREMENT 17,200 SF ADEQUATE 0 SF SUBSTANDARD 0 SF

PROJECT

Constructs mess hall (Current mission.)

REQUIREMENT

Adequate and modern mess hall facility for the headquarters area Camp Pendleton which supports 3,500 Marines and needs the capability to feed 1,440 during each meal period

CURRENT SITUATION

Messing in the headquarters area utilizes an inadequate 45-year old wooden building which has exceeded its useful life. The building requires extensive manpower to maintain and is not economically feasible to modernize. The messing requirement has grown in the headquarters area because of consolidation and assignment of new units.

IMPACT IF NOT PROVIDED

Long-phased meal hours, which are very disruptive to normal work routines and reduce productivity, will be necessary. A single mess hall with the capacity of the existing inadequate facility cannot maintain a prolonged intensive feeding program. Busing Marines to adjacent areas at Camp Pendleton would have to be implemented. This would increase time away from work and time to feed and reduce time to eat. It would also obligate men and equipment to an avoidable expensive administrative bus service while removing them from military oriented training and job functions.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA		
4. PROJECT TITLE MESS HALL		5. PROJECT NUMBER P-977

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	09-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	06-89
(D) DATE DESIGN COMPLETE	01-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_x_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(195)
(B) ALL OTHER DESIGN COSTS	(205)
(C) TOTAL	400
(D) CONTRACT	(355)
(E) IN-HOUSE	(45)

(4) CONSTRUCTION START: 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM
2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE MILITARY OPERATIONS IN URBANIZED TERRAIN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	179.45	P-996	10,860

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY OPERATIONS IN URBANIZED TERRAIN	LS	-	-	6,500
TRAINING MOCK-UPS	SF	141,300	46.00	(6,500)
SUPPORTING FACILITIES	-	-	-	3,260
UTILITIES	LS	-	-	(590)
PAVING AND SITE IMPROVEMENT	LS	-	-	(2,670)
SUBTOTAL	-	-	-	9,760
CONTINGENCY (5%)	-	-	-	490
TOTAL CONTRACT COST	-	-	-	10,250
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	610
TOTAL REQUEST	-	-	-	10,860
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct combat training complex, 16 intact and 16 rubble concrete and masonry buildings, paving, bridges, land and street-scape elements, staging area, access road, helicopter landing pad, utilities, close-quarter battle range, ventilation system

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs a Company Team Exercise, Battalion Task Force Training Facility for training in urban warfare. (Current mission)

REQUIREMENT:

An adequate Military Operations in Urban Terrain (MOUT) facility to develop and maintain a proficiency in urban warfare and terrorist activities. Mastery of MOUT is deemed critical to success on the modern battlefield, and has been an integral element of Marine Corps doctrine since the second world war. Widespread urban sprawl throughout potential areas of conflict makes combat in built-up areas unavoidable. In many cases tactical and sometimes strategic advantage will result by gaining control of urban areas. This facility will support approximately 40,000 personnel from the Marine Corps Base and other off-base military and civilian organizations.

CURRENT SITUATION:

This activity maintains two urbanized training facilities. One of these combat towns is a 25-year old, wood-frame structure that provides training in combat in built-up areas, evacuation missions, raid operation, anti-terrorist training, and is the only facility of its kind in the central and northern areas of Camp Pendleton. Decay, aging, weathering, and heavy use have taken their toll on this facility, complicating its safe use. The other combat town is of permanent construction, and its design and limited size restricts its use to small unit training. These facilities are used continuously and scheduling requires a long-lead time.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE

MILITARY OPERATIONS IN URBANIZED TERRAIN

5. PROJECT NUMBER

P-996

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED:

Large unit training in urban warfare and counter-insurgency operations cannot be conducted. Continued use of existing inadequate and overtaxed facilities will severely impact on the effectiveness of operating forces and basic survival of troops in combat.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	07-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN	YES___ NO _X_
(B) WHERE DESIGN WAS MOST RECENTLY USED	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E)

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(255)
(B) ALL OTHER DESIGN COSTS	(180)
(C) TOTAL	435
(D) CONTRACT	(335)
(E) IN-HOUSE	(100)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	4. COMMAND NAVAL AIR SYSTEMS COMMAND	5. AREA CONSTR COST INDEX 1.25

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	110	793	5455	0	0	0	0	0	0	6358
b. END FY 1995	143	854	5457	0	0	0	0	0	0	6454

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,123,135)	
b. INVENTORY TOTAL AS OF 30 SEP 89		314,630
c. AUTHORIZATION NOT YET IN INVENTORY		32,090
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		17,585
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		4,400
g. REMAINING DEFICIENCY		4,160
h. **GRAND TOTAL**		388,865

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
311.25	ADVANCED WEAPONS LAB	84,480 SF	17,585	06/88	08/90
	TOTAL		17,585		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

317.15	INTEG NAV AIR DEF SYS FAC	42,900 SF	16,000	-	-
	TOTAL		16,000		

B. MAJOR PLANNED NEXT THREE YEARS:

812.4C	SECURITY IMPROVEMENTS	LS	4,400
317.20	ELEC & ELECTRONICS SYS LAB	31,600 SF	7,000

10. MISSION OR MAJOR FUNCTIONS:

Principal Navy RDT&E center for air warfare and missile weapons systems. Maintains the primary in-house research and development capability for systems, subsystems and technologies included but not limited to strike aircraft/weapons systems and concept development; air launched weapons and associated avionics systems including aircraft guns and ammunition, guided and unguided weapons, aircraft weapons control and aircraft/weapons interface, tactical missiles; subsystems for weapons systems which include propulsion, guidance and control, warheads, fuel and launchers; strike warfare countermeasures; weather modification; and parachute test and evaluation.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. POLLUTION ABATEMENT	1,900
B. INSTALLATION RESTORATION	30,830
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	2. DATE

FY 1991 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	4. PROJECT TITLE ADVANCED WEAPONS LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	311.25	P-431	17,585

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADVANCED WEAPONS LABORATORY	SF	84,480	-	12,270
BUILDING	SF	84,480	99.00	(8,360)
SHELTERS	LS	-	-	(400)
TAXIWAYS AND APRONS	LS	-	-	(2,240)
BUILT-IN EQUIPMENT	LS	-	-	(1,270)
SUPPORTING FACILITIES	-	-	-	3,530
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(350)
ELECTRICAL UTILITIES	LS	-	-	(1,700)
MECHANICAL UTILITIES	LS	-	-	(1,240)
PAVING AND SITE IMPROVEMENT	LS	-	-	(240)
SUBTOTAL	-	-	-	15,800
CONTINGENCY (5%)	-	-	-	790
TOTAL CONTRACT COST	-	-	-	16,590
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	995
TOTAL REQUEST	-	-	-	17,585
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(26,840)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story hangar building, insulated metal siding, reinforced concrete floors and foundations, insulated steel roof deck with built-up roofing, elevated sensor tower, fire protection system, utilities, air conditioning; taxiways and aprons; shelters.

11. REQUIREMENT: 84,480 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides secure facilities for test and evaluation (T&E) of tactical aircraft, test platforms, and associated classified equipment under compartmented, special access conditions. (New mission).

REQUIREMENT:

Adequate and properly-configured facilities for technical and administrative support for special secure programs needing vaulted work spaces, laboratories, hangar, and shops in a secure TEMPEST shielded environment for continuing hardware and software life-cycle support.

CURRENT SITUATION:

No secure facilities exist which are capable of providing the necessary workspaces for development, integration, and test of weapon systems with highly classified and sight sensitive equipment configurations. Use of existing facilities would compromise the weapon systems and equipment involved and reduce or eliminate their effectiveness when employed in combat.

IMPACT IF NOT PROVIDED:

Navy will not have adequate, secure test facilities for classified equipment and systems test and evaluation before introduction into the fleet. The result will be a weapon system which has not fully matured and will have numerous technical problems during the first deployments, possibly jeopardizing both the pilot and the aircraft.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA

4. PROJECT TITLE

ADVANCED WEAPONS LABORATORY

5. PROJECT NUMBER

P-431

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 06-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 50
(C) DATE DESIGN 35% COMPLETE 07-89
(D) DATE DESIGN COMPLETE 08-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: NA

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (900)
(B) ALL OTHER DESIGN COSTS . . . . (600)
(C) TOTAL 1,500
(D) CONTRACT . . . . (1,450)
(E) IN-HOUSE . . . . (50)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
SOFTWARE DEVELOPMENT COMPUTER SYSTEM INTEGRATION/VALIDATION/ SIMULATION FACILITY FOR AVIONICS, WEAPONS, TARGET AND COCKPIT	APN	1990 - 1991	23.240
DATA ANALYSIS EQUIPMENT	APN	1991	3.600
		TOTAL	26.840

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION,
CONCORD, CALIFORNIA

4. COMMAND

NAVAL SEA SYSTEMS
COMMAND

5. AREA CONSTR COST INDEX

1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	129	2424	1161	0	0	0	0	0	0	3714
b. END FY 1995	129	2424	1161	0	0	0	0	0	0	3714

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,024)	
b. INVENTORY TOTAL AS OF 30 SEP 89		105,960
c. AUTHORIZATION NOT YET IN INVENTORY		11,710
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,250
f. PLANNED IN NEXT THREE PROGRAM YEARS		31,850
g. REMAINING DEFICIENCY		36,900
h. **GRAND TOTAL**		197,520

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
860.30	RAILROAD/VEHICULAR BRIDGE	LS	9,850	03/89	06/90
	TOTAL		9,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)

212.10	GUIDED MISSILE INTEGRA FAC	1,000 SF	1,250	-	-
	TOTAL		1,250		

B. MAJOR PLANNED NEXT THREE YEARS

212.10	AIR MISSILE FACILITIES	11,000 SF	5,800
421.72	COUNTERMEASURE MAGS	18,480 SF	4,550
212.10	GUIDED MISSILE INTEG FAC	34,750 SF	10,900
421.72	MISSILE MAGAZINE	12,940 SF	2,200

10. MISSION OR MAJOR FUNCTIONS

Maintenance and quality evaluation engineering of missiles and other military explosives. Storage and transshipment of ordnance. Maintenance and testing or ordnance handling and shipping equipments. Design, development and procurement of ordnance test systems. Support homeported ammunition ships.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A.	POLLUTION ABATEMENT	80
B.	INSTALLATION RESTORATION	74,000
C.	OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CONCORD, CALIFORNIA		4. PROJECT TITLE RAILROAD/VEHICULAR BRIDGE	
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 860.30	7. PROJECT NUMBER P-292	8. PROJECT COST ($000) 9,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RAILROAD/VEHICULAR BRIDGE	LS	-	-	4,330
RAILROAD/VEHICULAR BRIDGE	SF	14,400	170.00	(2,450)
EMBANKMENTS	LS	-	-	(890)
SUPPORT BUILDINGS	SF	2,350	192.00	(450)
RAIL, TIES, BALLAST	LS	-	-	(540)
SUPPORTING FACILITIES	-	-	-	4,520
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(2,260)
UTILITIES RELOCATION	LS	-	-	(980)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,280)
SUBTOTAL	-	-	-	8,850
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,290
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	560
TOTAL REQUEST	-	-	-	9,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Prestressed concrete bridge for both railroad and vehicular traffic, earthen access ramps, compacted borrow material, reinforced concrete retaining walls; railroad relocation; utilities relocation; badge and pass building; two concrete block guardhouses; two non-signalized traffic intersections, paving and pavement striping; security fencing, railroad traffic control signal system; lighting.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides Navy-owned railroad and vehicular bridge across a public highway to insure uninterrupted movement of explosives between inland and tidal areas during crises or wartime conditions, to meet all loading commitments without chance of disruption by anti-military groups, eliminate traffic conflicts between the general public and Navy shipments, and prevent demonstrators from blocking shipments of ordnance materials. (Current mission)

REQUIREMENT:

Eliminate protestors and demonstrators blockading ordnance shipments occurring between the inland production, maintenance, and storage area and the tidal receiving, segregation, and waterfront loading facilities. Increase safety and security for ordnance transshipment by eliminating blockades and interference with general public traffic. Provide Navy vehicle operators and security personnel best physical isolation and vantage point relative to demonstrator activities and general public traffic. Improve efficiency and effectiveness of transshipping explosives. Impose least negative impacts on nearby communities by Navy.

CURRENT SITUATION:

Inland and tidal areas are separated by a public roadway which is a site of continuous demonstrator activity including ordnance shipment blockading. The public roadway is also experiencing rapidly increased general public usage because of rapid population growth. Navy is spending at rate of $1 million plus per year and local law enforcement

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CONCORD, CALIFORNIA

4. PROJECT TITLE

RAILROAD/VEHICULAR BRIDGE

5. PROJECT NUMBER

P-292

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
agencies are spending at rate of $0.5 million plus per year to counteract unsafe and counterproductive demonstrator blockading of Navy trains and truck shipments across a public highway. Potential for a significant accident is extremely high. Potential for demonstrators leaving site in the foreseeable future is remote. Rapid population growth in the area and burgeoning general public traffic volume adds to public highway crossing hazard. Two other alternatives for this project were evaluated; underpass or overpass Navy railroad and vehicular route respectively. Both alternatives had significant negative environmental impacts upon local traffic and nearby non-Navy residents and businesses.

IMPACT IF NOT PROVIDED:
Continued and likely increasing expenditure of federal and local taxpayer dollars to counteract demonstrators' blockades. High risk of a major accident involving demonstrators or the general public.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	06-90
(2) BASIS:	
(A) STANDARD OR DEFINITIVE DESIGN	YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED	NA
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(535)
(B) ALL OTHER DESIGN COSTS	(545)
(C) TOTAL	1,080
(D) CONTRACT	(1,040)
(E) IN-HOUSE	(40)
(4) CONSTRUCTION START	01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION SEAL BEACH ANNEX, CORONA, CALIFORNIA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR COST INDEX .00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1	1	1051	0	0	0	0	0	0	1053
b. END FY 1995	5	1	1153	0	0	0	0	0	0	1159

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,990)	
b. INVENTORY TOTAL AS OF 30 SEP 89		76,700
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,870
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		9,400
h. **GRAND TOTAL**		94,970

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
315.30	WEAPONS TEST & EVAL FAC	48,000 SF	8,870	02/89	09/90
	TOTAL		8,870		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)
NONE

B. MAJOR PLANNED NEXT THREE YEARS
NONE

10. MISSION OR MAJOR FUNCTIONS

Receive, store, issue and renovate all types of ammunition, maintain basic stocks, assemble, unload, check out, issue, maintain, repair and store designated missiles (including associated components, both explosive and inert); operate a weapons quality evaluation laboratory.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	FY 1991 **MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION SEAL BEACH ANNEX, CORONA, CALIFORNIA	4. PROJECT TITLE WEAPONS TESTING AND EVALUATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	315.30	P-171	8,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS TESTING & EVALUATION FACILITY	SF	48,000	-	7,600
BUILDING	SF	48,000	116.00	(5,570)
TEMPEST SHIELDING	LS	-	-	(790)
BUILT-IN EQUIPMENT	LS	-	-	(1,240)
SUPPORTING FACILITIES	-	-	-	370
ELECTRICAL UTILITIES	LS	-	-	(130)
MECHANICAL UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT	LS	-	-	(70)
DEMOLITION	LS	-	-	(110)
SUBTOTAL	-	-	-	7,970
CONTINGENCY (5%)	-	-	-	400
TOTAL CONTRACT COST	-	-	-	8,370
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	500
TOTAL REQUEST	-	-	-	8,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(7,250)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete building, concrete foundation and floors, built-up roofing, fire protection system, solar-assisted environmental control, TEMPEST shielding, security systems, back-up electric power generators, utilities, air conditioning, demolition of four buildings.

11. REQUIREMENT: 48,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a weapons engineering, operations and telemetry laboratory. (Current mission.)

REQUIREMENT:

Adequate facility with controlled environment to support the integrated assessment of battle group performance with its enormous increase in complexity of the individual weapons systems. The integration of hundreds of weapons systems and people in the battle group so they operate together successfully is dependent on being able to assess their performance and provide timely feedback to validate tactics, determine readiness and capability, devise corrective actions where needed, and identify additional training. The assessment of battle group performance requires facilities for real-time, secure communications and computer-based analysis tools such as interactive graphics and distributed data bases. This facility is essential to providing the required comprehensive assessment of battle group performance.

CURRENT SITUATION:

Some elements of the integrated assessment of battle group performance are not being done because there is a lack of adequate facilities and equipment. The assessment functions are being done in converted former hospital wards at the Corona site. Weapons systems and battle group elements are analyzed individually based on both automatically and manually collected data. All forms of data are transferred to Corona by courier or mail which introduces significant delays. This data analysis process uses paper as the medium for information display which is time-consuming and labor-intensive relative to electronics. Results of

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION SEAL BEACH ANNEX, CORONA, CALIFORNIA

4. PROJECT TITLE

WEAPONS TESTING AND EVALUATION FACILITY

5. PROJECT NUMBER

P-171

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

the individual elements are integrated after completion of the analysis process to assess battle group level performance. This approach is limited by time available and usually results in the inability to fully assess the many complex interactions taking place. There is the chance of overlooking an obscure but important finding because of the quantity of information that must be processed without the tools of modern computing technology.

IMPACT IF NOT PROVIDED:

Complete information to be gained from large scale fleet exercises will continue to be lost because of the lack of adequate facilities for assessment. Lessons that could be learned about fleet readiness, tactics and weapons, sensors and communications performance will be denied.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(440)
(B) ALL OTHER DESIGN COSTS	(250)
(C) TOTAL	690
(D) CONTRACT	(650)
(E) IN-HOUSE	(40)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
GRAPHIC WORK STATIONS, COMPUTER SYSTEMS, LARGE SCREEN DISPLAYS	NIF(ACP)	1990 - 1994	7,250
		TOTAL	7,250

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION,
EL TORO, CALIFORNIA

4. COMMAND

COMMANDANT OF THE
MARINE CORPS

5. AREA CONSTR COST INDEX

1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	75	555	865	20	159	0	620	6018	1202	9514
b. END FY 1995	96	629	912	20	159	0	772	5249	1531	9368

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,720)	279,750
b. INVENTORY TOTAL AS OF 30 SEP 89		61,700
c. AUTHORIZATION NOT YET IN INVENTORY		6,980
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,070
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		17,640
f. PLANNED IN NEXT THREE PROGRAM YEARS		139,820
g. REMAINING DEFICIENCY		510,960
h. GRAND TOTAL		

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.20	DATA PROCESS CNTR	24,200 SF	3,970	11/88	08/90
441.30	HAZ & FLAMMABLE STRHSES	17,500 SF	3,010	08/86	05/87
	TOTAL		6,980		

9. FUTURE PROJECTS

	A INCLUDED IN FOLLOWING PROGRAM (FY 92)				
214.51	AUTOMOTIVE SHOP	20,720 SF	2,300	-	-
149.15	FIXED AIRCRAFT START SYS	LS	820	-	-
421.32	INERT STORAGE	17,500 SF	1,950	-	-
	TOTAL		5,070		
	B MAJOR PLANNED NEXT THREE YEARS				
171.35	OPERATIONS TRAINING FAC	18,300 SF	1,330		
740.43	PHYSICAL FITNESS CENTER	31,500 SF	5,900		

10. MISSION OR MAJOR FUNCTIONS

Maintain and operate facilities and provide services and material to
support the operation of a Marine aircraft wing, or units thereof, and
other activities and units as designated by the Commandant of the Marine
Corps in coordination with the Chief of Naval Operations.

One Marine Aircraft Wing
One Naval Aviation Maintenance Training Detachment
One Marine Air Reserve Training Detachment

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A POLLUTION ABATEMENT	1,690
B INSTALLATION RESTORATION	4,930
C OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, EL TORO, CALIFORNIA		4. PROJECT TITLE DATA PROCESSING CENTER	
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 610.20	7. PROJECT NUMBER P-381	8. PROJECT COST ($000) 3,970

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DATA PROCESSING CENTER	SF	24,200	131.00	3,170
SUPPORTING FACILITIES	-	-	-	390
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(70)
UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT,DEMOLITION	LS	-	-	(120)
SUBTOTAL	-	-	-	3,560
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,740
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	3,970
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, pile foundation, concrete floor, masonry walls, built-up roof, computer flooring, sound attenuation, air conditioning, fire protection system, utilities; demolition of one building.

11. REQUIREMENT: 24,200 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a building to house a Regional Automated Data Processing Center (RADPC). (Current mission.)

REQUIREMENT:

Adequate facilities with space and equipment tailored for computer equipment operation, software development and administrative functions associated with a RADPC. This unit performs all computerized supply functions, documents maintenance actions, processes civilian payroll, and stores personnel records for all the Marine aviation commands in the southwest region of the United States. The RADPC processes over 2,000 separate job orders every month and each one is critical to the normal operations of the Third Marine Aircraft Wing (MAW).

CURRENT SITUATION:

The existing RADPC is located in a converted, inadequate warehouse, insufficient in space, lacking the specialized utility support of isolated electric power, fire protection, and environmental controls, and does not have adequate security safeguards. In an attempt to alleviate overcrowding, the administrative functions associated with this unit have been moved to an old converted machine shop two and a half miles from the computer operations.

IMPACT IF NOT PROVIDED:

The reliability and timeliness of all Third MAW computer processing services will be degraded. Existing facility will remain at high risk from fire, electric power surges, and unauthorized intrusion. Loss of computer support would drastically limit supply and maintenance to Third MAW Squadrons. The existing overcrowding will become even worse as

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, EL TORO, CALIFORNIA

4. PROJECT TITLE

DATA PROCESSING CENTER

5. PROJECT NUMBER

P-381

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED: (CONTINUED)

upgraded computer equipment is delivered and becomes operational.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	11-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	12-89
(D) DATE DESIGN COMPLETE	08-90
(2) BASIS:	
(A) STANDARD OR DEFINITIVE DESIGN	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED	N/A
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(205)
(B) ALL OTHER DESIGN COSTS	(60)
(C) TOTAL	265
(D) CONTRACT	(255)
(E) IN-HOUSE	(10)
(4) CONSTRUCTION START	01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, EL TORO, CALIFORNIA		4. PROJECT TITLE HAZARDOUS AND FLAMMABLE STOREHOUSES	
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 441.30	7. PROJECT NUMBER P-341	8. PROJECT COST ($000) 3.010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HAZARDOUS AND FLAMMABLE STOREHOUSES	SF	17,500	-	2,270
MASONRY BUILDINGS	SF	16,000	122.00	(1,950)
METAL BUILDINGS	SF	1,500	153.00	(230)
BUILT-IN EQUIPMENT	LS	-	-	(90)
SUPPORTING FACILITIES	-	-	-	430
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(430)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	170
TOTAL REQUEST	-	-	-	3,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two masonry buildings, loading docks with load levelers, 12-foot stacking height, concrete foundations and floors, built-up roofs; ten metal buildings, concrete floors; ventilation systems, explosion proof lighting, contaminated waste storage tanks, fire protection system, utilities.

11. REQUIREMENT: 41,510 SF ADEQUATE: 24,010 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an environmentally sound and safe storage facility for hazardous and flammable materials for the two intermediate maintenance activity (IMA) van complexes and at each maintenance hangar. (Current mission.)

REQUIREMENT:

Adequate, safe and secure storage as mandated by environmental regulations for numerous hazardous and flammable materials used routinely in aircraft maintenance operations.

CURRENT SITUATION:

No suitable storage areas presently exist in the vicinity of the two IMA van complexes. Existing storage areas serving the 10 squadron maintenance departments are small quonset huts and large portable steel containers. None of these meet applicable environmental regulations or fire codes for storage of hazardous and flammable materials.

IMPACT IF NOT PROVIDED:

Hazardous and flammable materials required to support aircraft maintenance will continue to be stored in an improper and hazardous manner. An unacceptable potential for environmental contamination exists should an accident occur at one of the inadequate storage facilities. Maintenance actions at the IMA van complexes will be impaired because of lengthy transit time to and from suitable storage.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, EL TORO, CALIFORNIA		
4. PROJECT TITLE HAZARDOUS AND FLAMMABLE STOREHOUSES		5. PROJECT NUMBER P-341

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	08-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	10-86
(D) DATE DESIGN COMPLETE	05-87
(2) BASIS:	
(A) STANDARD OR DEFINITIVE DESIGN:	YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A	
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(80)
(B) ALL OTHER DESIGN COSTS	(80)
(C) TOTAL	160
(D) CONTRACT	(120)
(E) IN-HOUSE	(40)
(4) CONSTRUCTION START	12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, LEMOORE, CALIFORNIA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR COST INDEX 1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	524	5100	772	60	223	0	3	73	0	6755
b. END FY 1995	524	5100	772	44	251	0	3	73	0	6767

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (39,173)	
b. INVENTORY TOTAL AS OF 30 SEP 89	197,670
c. AUTHORIZATION NOT YET IN INVENTORY	6,090
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,550
f. PLANNED IN NEXT THREE PROGRAM YEARS	10,200
g. REMAINING DEFICIENCY	94,800
h. **GRAND TOTAL**	312,210

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	WEAPONS SCHOOL ADDITION	LS	900	05/88	01/90
	TOTAL		900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

211.03	CORROSION CONTROL FAC	11,150 SF	2,550	-	-
	TOTAL		2,550		

B. MAJOR PLANNED NEXT THREE YEARS:

148.15	WEAPONS AREA IMPROV	LS	10,200

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and materials to support operations of aviation activities of the Pacific Fleet

Eight Fleet Light Attack (A-7 and F/A-18) Squadrons
Two Replacement Training Squadrons

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A: POLLUTION ABATEMENT	1,230
B: INSTALLATION RESTORATION	24,350
C: OCCUPATIONAL SAFETY AND HEALTH (OSH)	2,550

DD FORM 1390
1DEC76

1. COMPONENT

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

NAVY

3. INSTALLATION AND LOCATION

LONG BEACH NAVAL SHIPYARD,
LONG BEACH, CALIFORNIA

4. COMMAND

NAVAL SEA SYSTEMS
COMMAND

5. AREA CONSTR COST INDEX

1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	26	9	4502	0	0	0	0	0	0	4537
b. END FY 1995	33	7	4502	0	0	0	0	0	0	4542

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(350)	
b. INVENTORY TOTAL AS OF 30 SEP 89		187,350
c. AUTHORIZATION NOT YET IN INVENTORY		3,630
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		13,500
g. REMAINING DEFICIENCY		82,150
h. **GRAND TOTAL**		287,130

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.55	ASBESTOS REMOVAL SHOP	LS	500	04/89	04/90
	TOTAL		500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS

842.10	UTILITIES IMPROVEMENTS	LS	13,500

10. MISSION OR MAJOR FUNCTIONS:

Maintenance and overhaul of conventional powered surface ships up to and including attack carriers. Logistic support provided includes conversion, reactivation, overhaul, repair, alterations, and dry docking. Support is also provided for air, anti-air, and anti-submarine warfare weapon systems.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A. POLLUTION ABATEMENT	590
B. INSTALLATION RESTORATION	840
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, LONG BEACH, CALIFORNIA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1083	12746	853	0	0	0	73	491	0	15246
b. END FY 1995	964	11673	853	0	0	0	83	510	0	14083

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,351)	
b. INVENTORY TOTAL AS OF 01 OCT 89		128,390
c. AUTHORIZATION NOT YET IN INVENTORY		26,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,520
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		11,350
g. REMAINING DEFICIENCY		87,690
h. **GRAND TOTAL**		264,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
842.10	WHARF UTILITIES UPGRADE	LS	3,520	12/83	12/88
	TOTAL		3,520		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

151.20	BERTHING PIER EXTENSION	LS	3,450	-	-
441.30	HAZ & FLAMMABLE STOREHOUSE	LS	900	-	-
721.40	DISCIPLINARY BARRACKS	10,530 SF	1,400	-	-
730.10	FIRE STATION EXPANSION	LS	750	-	-
	TOTAL		6,500		

B. MAJOR PLANNED NEXT THREE YEARS:

724.12	BACHELOR OFFICER QUARTERS	34,000 SF	4,520	-

10. MISSION OR MAJOR FUNCTIONS:

Provides logistic support for the operating forces of the Navy and for dependent activities and other commands as assigned. Services range from providing ships with berths, fuel and water, to providing recreation facilities for military personnel. There are presently 14 ships homeported including two battleships.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	70
B: INSTALLATION RESTORATION	290
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	700

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, LONG BEACH, CALIFORNIA	4. PROJECT TITLE WHARF UTILITIES UPGRADE

5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 842.10	7. PROJECT NUMBER P-201	8. PROJECT COST ($000) 3,520

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WHARF UTILITIES UPGRADE	LS	-	-	3,160
STEAM LINE UPGRADE	LS	-	-	(600)
POTABLE WATER SYSTEM UPGRADE	LS	-	-	(2,120)
PAVING AND SITE IMPROVEMENT	LS	-	-	(440)
SUBTOTAL	-	-	-	3,160
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,320
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	200
TOTAL REQUEST	-	-	-	3,520
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Replace 10-inch steam conduits, manholes and valves; 16-inch potable water line, upgrade distribution laterals, 750,000-gallon water storage tank, booster pump station.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Upgrades utilities on the west side of Pier E. (New mission.)

REQUIREMENT:

Adequate utility systems with sufficient capacity and reliability to fully support all ships berthed or undergoing repairs at Pier E. Pier E has been transferred from a shipyard repair pier to a naval station homeporting pier for four frigates.

CURRENT SITUATION:

Existing utilities on Pier E were installed for outfitting of ships that had completed overhaul. The steam distribution system has insufficient capacity to meet the requirement. Water supply is dependent upon the water supply from the City of Long Beach. Inadequate water storage capacity exists in the shipyard to provide adequate water pressure should a loss of city water occur.

IMPACT IF NOT PROVIDED:

Failure of any of the utilities services would result in disruption of activities, delay of repairs, and increased use of shipboard auxiliary systems to compensate. This would have a detrimental impact on the readiness of ships.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION, LONG BEACH, CALIFORNIA

4. PROJECT TITLE

WHARF UTILITIES UPGRADE

5. PROJECT NUMBER

P-201

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	01-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	11-86
(D) DATE DESIGN COMPLETE	05-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(200)
(B) ALL OTHER DESIGN COSTS	(170)
(C) TOTAL	370
(D) CONTRACT	(330)
(E) IN-HOUSE	(40)

(4) CONSTRUCTION START. . . . . 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1033	6820	2064	146	363	0	182	510	0	11118
b. END FY 1995	1033	6820	2121	211	375	0	192	540	0	11292

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(23,606)	
b. INVENTORY TOTAL AS OF 30 SEP 89		218,360
c. AUTHORIZATION NOT YET IN INVENTORY		46,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,460
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		700
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,170
g. REMAINING DEFICIENCY		57,880
h. **GRAND TOTAL**		330,120

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	TOPGUN ACADEMIC FACILITY	30,200 SF	4,040	03/89	04/90
171.20	WEAPONS SCHOOL ADDITION	5,000 SF	1,420	03/89	04/90
	TOTAL		5,460		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

211.05	MAINT HANGAR-O/H SPACE	LS	700	-	-
	TOTAL		700		

B. MAJOR PLANNED NEXT THREE YEARS:

141.87	LIQUID OXYGEN/NITROGEN FAC	2,700 SF	1,170

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and materials to support operations of aviation activities of the Pacific Fleet. Homeport of west coast fleet fighter squadrons.

Three Replacement Training Squadron	Ten Fleet Fighter Squadrons
Photo and Composite Squadrons	Fighter Weapons School
Four Naval Air Reserve Squadrons	Reserve Center>
Four Airborne Early Warning (E-2B) Squadrons	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	4,090
B: INSTALLATION RESTORATION	14,510
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	700

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1981 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA	4. PROJECT TITLE TOPGUN ACADEMIC FACILITY

5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-346	8. PROJECT COST ($000) 4,040

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TOPGUN ACADEMIC FACILITY	SF	30,200	91.00	2,750
SUPPORTING FACILITIES	-	-	-	880
UTILITIES	LS	-	-	(490)
PAVING AND SITE IMPROVEMENT	LS	-	-	(390)
SUBTOTAL	-	-	-	3,630
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,810
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,040
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame and masonry building, concrete floors, pile foundation, built-up roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 30,200 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a weapons school. (Current mission.)

REQUIREMENT:

Adequate academic training facilities in a secure environment to accommodate the Navy Fighter Weapons School (NFWS), including spaces for administrative support. NFWS is the primary Navy and Marine Corps authority for tactical development in maritime air superiority and fighter employment in the power projection role.

CURRENT SITUATION:

The NFWS is currently training in space designed and utilized as a hangar. Noise abatement, security for maintenance of sensitive information, and an environment conducive to academic training and study are not available. Since its inception, NFWS has tried to accommodate all fleet squadrons in professionally training their aircrew at the graduate level. However, DOD-wide requests for quotas far exceed the number of course quotas available, with the limiting factor being existing space. As a result of inadequate academic space, less training can be conducted and the training quality suffers. Present and future demands and tasking necessitate ever-increasing workloads in aircrew training.

IMPACT IF NOT PROVIDED:

NFWS will continue to curtail the number of student candidates, and limit the scope of education offered in the missions assigned, and the nature and scope of classified material necessary for research and tactics development in primary mission areas. This would adversely affect the Navy's mission in support of maritime air superiority and fighter employment in the power projection role. Long range ramifications are

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, MIRAMAR, CALIFORNIA

4. PROJECT TITLE

TOPGUN ACADEMIC FACILITY

5. PROJECT NUMBER

P-346

11. REQUIREMENT: (CONTINUED)
IMPACT IF NOT PROVIDED: (CONTINUED)
reduced aircrew training, reduced numbers of aircrew trained, and reduced skills and capabilities to the battle group commander for fleet air defense and power projection.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
- (A) DATE DESIGN STARTED. 03-89
- (B) PERCENT COMPLETE AS OF JANUARY 1990. 70
- (C) DATE DESIGN 35% COMPLETE 07-89
- (D) DATE DESIGN COMPLETE 04-90

(2) BASIS:
- (A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
- (B) WHERE DESIGN WAS MOST RECENTLY USED: NA

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
- (A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (220)
- (B) ALL OTHER DESIGN COSTS . . . . (160)
- (C) TOTAL. 380
- (D) CONTRACT . . . . (360)
- (E) IN-HOUSE . . . . (20)

(4) CONSTRUCTION START. 10-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA	4. PROJECT TITLE WEAPONS SCHOOL ADDITION

5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-888	8. PROJECT COST ($000) 1,420

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS SCHOOL ADDITION.	SF	5,000	150.00	750
SUPPORTING FACILITIES.	-	-	-	530
UTILITIES.	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(330)
SUBTOTAL	-	-	-	1,280
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,340
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,420
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building addition, concrete foundation and floor, built-up roof over concrete decking; security vestibule, trainer and briefing spaces, classrooms; building alterations; modified Sensitive Compartmentalized Information Facility (SCIF) design, shielding, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 5,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs addition to applied instruction building. (New mission.)

REQUIREMENT:

Adequate, secure, and properly-configured facility to accommodate and support special purpose training in new classified weapons system assigned to strike and fighter aircraft squadrons. Training is necessary to bring and maintain aircrews to a high-state of proficiency and readiness in preparation for deployment on-board aircraft carriers.

CURRENT SITUATION:

Adequate training space meeting modified SCIF criteria is not available.

IMPACT IF NOT PROVIDED:

Training in the new weapons system cannot occur at Miramar because adequate, limited access, controlled space will not exist.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED. 03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990. 80
(C) DATE DESIGN 35% COMPLETE 07-89

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, MIRAMAR, CALIFORNIA

4. PROJECT TITLE WEAPONS SCHOOL ADDITION	5. PROJECT NUMBER P-888

12. SUPPLEMENTAL DATA: (CONTINUED)

(D) DATE DESIGN COMPLETE 04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(50)
(B)	ALL OTHER DESIGN COSTS	(40)
(C)	TOTAL.	90
(D)	CONTRACT	(80)
(E)	IN-HOUSE	(10)

(4) CONSTRUCTION START. 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS.

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	4. COMMAND CHIEF OF NAVAL OPERATIONS	5 AREA CONSTR COST INDEX 1.25

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	171	298	1107	1737	0	0	0	0	0	3313
b. END FY 1995	183	276	1200	1736	0	0	0	0	0	3395

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(625)	
b. INVENTORY TOTAL AS OF 30 SEP 89		58,900
c. AUTHORIZATION NOT YET IN INVENTORY		21,830
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,810
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		15,090
f. PLANNED IN NEXT THREE PROGRAM YEARS		37,970
g. REMAINING DEFICIENCY		8,560
h. **GRAND TOTAL**		151,160

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.25	LECT HALL ADD&SEISMIC UPGR	LS		2.190	05/88	05/90
219.10	PUBLIC WORKS COMPLEX	35.950	SF	6,620	03/89	08/90
	TOTAL			8,810		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

724.11	BOO SEISMIC UPGRADE	67.500	SF	2.000	-	-
171.20	ENGINEERING BUILDING	67.000	SF	12.000	-	-
843 10	FIRE PROTECTION SYSTEM	198.000	SF	1,090	-	-
	TOTAL			15.090		

B. MAJOR PLANNED NEXT THREE YEARS:

724.12	BACHELOR OFFICER QTRS ADDN	93.000	SF	10.200
610.10	SPANAGEL LEVEL 2	LS		3.700

10. MISSION OR MAJOR FUNCTIONS:

Conduct and direct the advanced education of Naval officers and provide such other technical and professional instruction as may be prescribed to meet the needs of the Naval service; foster and encourage a program of research in order to sustain academic excellence.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	920
C: OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**
2. DATE	

3. INSTALLATION AND LOCATION NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	4. PROJECT TITLE LECTURE HALL ADDITION AND SEISMIC UPGRADE

5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 171.25	7. PROJECT NUMBER P-161	8. PROJECT COST ($000) 2,190

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LECTURE HALL ADDITION AND SEISMIC UPGRADE . . .	LS	-	-	1,970
BUILDING ADDITION.	SF	5,000	146.00	(730)
SEISMIC UPGRADE.	LS	-	-	(1,100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(140)
SUBTOTAL	-	-	-	1,970
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,070
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,190
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building addition, concrete foundation and floor, built-up roof, seismic upgrade, fire protection system, ventilation system, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides additional 556 seating capacity in the lecture hall, and increases the building's resistance to seismic forces. (Current mission.)

REQUIREMENT:

Adequate facility to accommodate seating the student population in the lecture hall. Increase the strength of the building to resist seismic forces.

CURRENT SITUATION:

A seismic investigation by a structural engineering firm determined KING HALL was seismically unsafe. Additionally, the increased student body has exceeded the originally designed capacity of 1,170 students. These conditions allow less than two thirds of the students to attend a lecture at one time.

IMPACT IF NOT PROVIDED:

The building will remain deficient in its ability to resist seismic forces. If an earthquake above medium magnitude should occur near this installation the damage to the structure and injuries to the occupants would potentially be extensive. Attendance will continue to be limited in the lecture hall with at least one-third of the students unable to participate during important functions. Conducting the necessary academic chain of informational programs will continue to meet with serious instructional problems because of limited seating.

ADDITIONAL:

Campus space studies on present and future facilities requirements conclude a lecture hall auditorium space deficiency exists. A seismic vulnerability study of the building has been prepared with remedial

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA

4. PROJECT TITLE

LECTURE HALL ADDITION AND SEISMIC UPGRADE

5. PROJECT NUMBER

P-161

11. REQUIREMENT: (CONTINUED)
ADDITIONAL: (CONTINUED)
schemes to satisfy the deficiencies. Construction costs will be higher than the standard building design because of the seismic criteria requirement of zone 4, and adapting an existing building to new requirements.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 05-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 45
(C) DATE DESIGN 35% COMPLETE 10-89
(D) DATE DESIGN COMPLETE 05-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (110)
(B) ALL OTHER DESIGN COSTS . . . . (100)
(C) TOTAL 210
(D) CONTRACT . . . . (180)
(E) IN-HOUSE . . . . (30)

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL POSTGRADUATE SCHOOL,
MONTEREY, CALIFORNIA

4. PROJECT TITLE

PUBLIC WORKS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	219.10	P-146	6,620

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PUBLIC WORKS COMPLEX	SF	35,950	-	3,670
SHOPS	SF	28,400	97.00	(2,750)
ADMINISTRATIVE AREA	SF	3,000	129.00	(390)
AUTOMOTIVE VEHICLE SHOP	SF	4,550	117.00	(530)
SUPPORTING FACILITIES	-	-	-	2,280
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(1,040)
UTILITIES	LS	-	-	(600)
PAVING AND SITE IMPROVEMENT	LS	-	-	(550)
DEMOLITION	LS	-	-	(90)
SUBTOTAL	-	-	-	5,950
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST	-	-	-	6,250
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	370
TOTAL REQUEST	-	-	-	6,620
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Five one-story masonry buildings, concrete floors and spread foundations, built-up roofs on concrete over metal decking, engineered fill, fire protection systems, air conditioning, utilities, security fencing; demolition of one building.

11. REQUIREMENT: 45,550 SF ADEQUATE: 9,600 SF SUBSTANDARD: 0 SF

PROJECT:
Provides a centrally located public works complex. (Current mission.)

REQUIREMENT:
Adequate and properly-configured facilities to accommodate collocating all public works functions in a central complex. An integration of the electrical, plumbing, carpentry, painting, and gardening shops, with the administration office, maintenance storage, and operational spaces in the same complex would provide a more effective and efficient public works operation.

CURRENT SITUATION:
Many public works shops are located on the sites of planned academic expansion. Existing shops are of temporary construction and in need of replacement.

IMPACT IF NOT PROVIDED:
The public works facilities will not be available to support maintenance of the School's academic buildings and other functions.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 03-89

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA		
4. PROJECT TITLE PUBLIC WORKS COMPLEX		5. PROJECT NUMBER P-146

12. SUPPLEMENTAL DATA: (CONTINUED)

(B) PERCENT COMPLETE AS OF JANUARY 1990 50
(C) DATE DESIGN 35% COMPLETE 08-89
(D) DATE DESIGN COMPLETE 08-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (270)
(B) ALL OTHER DESIGN COSTS . . . . (50)
(C) TOTAL 320
(D) CONTRACT . . . . (270)
(E) IN-HOUSE . . . . (50)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

INTENTIONAL
BLANK

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION,
NORTH ISLAND, CALIFORNIA

4. COMMAND

COMMANDER IN CHIEF,
PACIFIC FLEET

5. AREA CONSTR COST INDEX

1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1951	16710	6634	248	425	0	30	583	0	26581
b. END FY 1995	1951	14267	6634	229	710	0	30	582	0	24403

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(46,573)	
b. INVENTORY TOTAL AS OF 30 SEP 89		339,210
c. AUTHORIZATION NOT YET IN INVENTORY		35,860
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,510
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,660
g. REMAINING DEFICIENCY		114,850
h. **GRAND TOTAL**		497,090

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.22	HIGH EXPLOSIVE MAGAZINES	8,000 SF	1,510	11/88	09/89
	TOTAL		1,510		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

134.70	RATCF	9,900 SF	3,160
421.72	SEALANCE MAGAZINE	LS	2,500

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and material to support operations of aviation activities and units of the Pacific Fleet:

- Three Helicopter Airlift Squadrons
- Five Helicopter ASW Squadrons (SH-2,SH-60)
- Five Carrier-Based ASW Squadrons (S-3)
- Six Carrier-Based ASW Helicopter Squadrons (SH-3)
- Naval Aviation Depot
- Three Helicopter Training Squadrons
- One Carrier On-Board Delivery Squadron
- Three Reserve Squadrons
- Submarine Development Group
  - Deep Submergence Vehicles
- Commander Naval Air Forces, Pacific
- Marine Barracks
- One S-3 ASW Training Squadron

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. POLLUTION ABATEMENT	1,620
B. INSTALLATION RESTORATION	8,170
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA	4. PROJECT TITLE HIGH EXPLOSIVE MAGAZINES

5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 421.22	7. PROJECT NUMBER P-573	8. PROJECT COST ($000) 1,510

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HIGH EXPLOSIVE MAGAZINES	SF	8,000	154.00	1,230
SUPPORTING FACILITIES	-	-	-	120
UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT	LS	-	-	(70)
SUBTOTAL	-	-	-	1,350
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,420
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,510
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four cast-in-place reinforced concrete-arch storage magazines, concrete floors and working aprons, utilities.

11. REQUIREMENT: 8,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides weapons storage magazines fronted by a concrete working apron (Current mission.)

REQUIREMENT:

Adequate and properly-configured weapons storage magazines, concrete working apron, and supporting facilities for ready-issue of ordnance to ships at adjacent ordnance handling pier. NAS North Island is not only homeport to aviation units, it is also homeport to three aircraft carriers and two cruisers. Intermediate storage of a wide variety of bombs, projectiles and other ordnance for issue to Fleet units based in San Diego is an important function of the Air Station. This project is required to compensate for the downgrading of 14 magazines from an allowable capacity of 1,240,000 pounds net explosive weight (NEW) to 500,000 pounds NEW. They were downgraded because of their proximity to a new Tomahawk Missile Ordnance Facility. Each new magazine will store 30,000 pounds NEW of conventional weapons.

CURRENT SITUATION:

With the downgrading of 14 magazines and the addition of the Tomahawk Cruise missile to the Weapons Department inventory, there is a shortage of ready-issue ammunition magazines. The amount of explosives stored in any magazine is strictly controlled for safety reasons. Over-stocking of magazines is not an option.

IMPACT IF NOT PROVIDED:

The shortfall of short-term storage of ordnance will adversely affect timely weapons load-out to the homeported aircraft carriers and ships. Deployment schedules could be disrupted due to the need to delay shipment of ordnance from Naval Weapons Station depot storage.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA

4. PROJECT TITLE

HIGH EXPLOSIVE MAGAZINES

5. PROJECT NUMBER

P-573

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	11-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	02-89
(D) DATE DESIGN COMPLETE	09-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: NA

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(50)
(B) ALL OTHER DESIGN COSTS	(70)
(C) TOTAL	120
(D) CONTRACT	(90)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA	4. COMMAND NAVAL AIR SYSTEMS COMMAND	5. AREA CONSTR COST INDEX 1.25

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	315	1761	4512	0	0	0	113	326	0	7027
b. END FY 1995	348	1761	4512	0	0	0	101	412	0	7134

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(27,093)
b. INVENTORY TOTAL AS OF 30 SEP 89	204,810
c. AUTHORIZATION NOT YET IN INVENTORY	33,860
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,070
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	12,500
g. REMAINING DEFICIENCY	25,410
h. **GRAND TOTAL**	278,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	SECURTY IMPROVEMENTS	LS	2,070	06/88	07/90
	TOTAL		2,070		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

319.40	RANGE OPERATIONS CENTER	60,720 SF	11,600
421.72	MISSILE MAGAZINE	LS	900
421.72	MISSILE MAGAZINE	LS	900

10. MISSION OR MAJOR FUNCTIONS:

Perform development, test and evaluation, follow-on engineering, logistics and training for Naval weapons systems. Provide major range technical and base support for fleet users and other DOD and government agencies. Provide range, target and other support services for fleet training and fleet operational test and evaluation programs and projects.

VX-4 with 19 aircraft
NAS Point Mugu with 35 aircraft
VXE-6 with 13 aircraft
VFA-305 with 10 aircraft (Reserve)
VP-65 with 9 aircraft (Reserve)
Naval Air Reserve Unit with 9 aircraft
VAQ-34 with 12 aircraft
Range tracking facilities - San Nicholas Island
HAL-5 with 8 aircraft (Reserve)

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	2,110
B: INSTALLATION RESTORATION	4,470
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 **MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA	4. PROJECT TITLE SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	872.10	P-063	2,070

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS	LS	-	-	1,860
ALARM CONTROL CENTER	LS	-	-	(70)
FENCING	LF	19,700	24.00	(470)
LIGHTING	LS	-	-	(370)
ACCESS PAVILIONS AND GUARD HOUSE	LS	-	-	(100)
UTILITIES	LS	-	-	(850)
SUBTOTAL	-	-	-	1,860
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,950
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	120
TOTAL REQUEST	-	-	-	2,070
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(6,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Security lighting, controlled access pavilions, chain link fencing, building modifications for alarm control center, 50 KW emergency generator, site preparation for security system, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides upgraded security at this aircraft and missile test and development activity with an "enclave" concept for protection around critical assets by restricting and controlling access. The concept is comprised of a sensored fence and buried line sensors to detect an attempted or actual intrusion. Lighted clear-zones will be watched using closed circuit television. Features to limit vehicle penetration will also be provided. (Current mission.)

REQUIREMENT:

Adequate physical security for critical test and development aircraft, missiles, equipment, facilities and personnel. Surveillance of these assets will provide protection and reduce pilferage at the activity and help promote the loss prevention program. Terrorism around the world is on the increase. Targets include US military installations, equipment and personnel. Experiences, such as destruction of Navy aircraft in San Juan several years ago, highlight the need to improve security around military installations and airfields. Monitoring devices, alarms, lighting and a surveillance control center will greatly improve effectiveness of fencing and will protect valuable assets. Less visible but just as damaging is the threat of espionage of technologies and weapons development. After recent loss of submarine technologies through spies and technology transfers, the Navy has stepped-up its effort to protect important military developments. PMTC Point Mugu is the Navy's primary air-to-air missile test and development center. It also provides life-cycle software and update support to Navy and Air Force missiles in the inventory. PMTC projects involve missile testing, fire control, electronic warfare and countermeasures, electromagnetic reconnaissance

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA

4. PROJECT TITLE

SECURITY IMPROVEMENTS

5. PROJECT NUMBER

P-063

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

and search, special sensor studies, ocean surveillance, command and control and Naval Air Station operations with 138 aircraft attached. It is a very large installation encompassing 27,000 acres including ocean front and wetlands. It is an installation ideally suited to the "enclave" security concept because facilities are clustered in dry areas throughout the base. New missiles or existing missiles scheduled for extensive modifications are thoroughly tested prior to full scale production. Loss of hardware and computer software or the "eavesdrop" monitoring of tests through espionage would compromise the combat effectiveness of the aircraft, missiles and the subsystems. It would also make development of countermeasures by potential enemies much easier. Improved physical security measures is a proven method of greatly reducing the terrorist threat and the loss of technology and military secrets through espionage.

CURRENT SITUATION:

Like most military installations, Point Mugu's primary means of security protection is a perimeter fence and security patrols. In general, once inside the installation, a person has unchallenged access to most assets. Assets are left unattended in the dark or in poorly-lit areas. With these conditions, intruders could do considerable damage to Navy assets with little risk of being apprehended. Persons could enter unoccupied buildings and steal hardware or information. "Eavesdroppers" could set up monitoring stations on-base and receive test data through visual and electronic means. The proposed physical security improvements will provide an integrated security system completely encompassing critical assets, with the capability to deter or detect unauthorized intruders seeking entry into sensitive areas.

IMPACT IF NOT PROVIDED:

Access to the base is de facto access to sensitive and classified mission assets and information. Weapons systems, classified test and evaluation data and aviation assets will continue to be vulnerable to compromise or destruction. Loss of this data would enable hostile forces to nullify weapons designs prior to their initial operational capability and devise similar advanced weapons at a greatly reduced cost.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	08-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(100)
(B) ALL OTHER DESIGN COSTS	(90)
(C) TOTAL	190
(D) CONTRACT	(70)
(E) IN-HOUSE	(120)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA		
4. PROJECT TITLE SECURITY IMPROVEMENTS		5. PROJECT NUMBER P-063

12. SUPPLEMENTAL DATA: (CONTINUED)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
INTRUSION DETECTION SYSTEM, MONITORING EQUIPMENT, GATES, TURNSTILES, ELECTRICAL CABLES, ALARM CONTROL CENTER	RDT&E	1990	6,000
		TOTAL	6,000

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA	4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND	5. AREA CONSTR COST INDEX 1.18

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	231	3179	2096	78	697	0	6	306	0	6593
b. END FY 1995	267	3305	2096	78	697	0	5	305	0	6753

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,616)	
b. INVENTORY TOTAL AS OF 30 SEP 89		133,400
c. AUTHORIZATION NOT YET IN INVENTORY		38,120
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,010
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		21,730
f. PLANNED IN NEXT THREE PROGRAM YEARS		54,425
g. REMAINING DEFICIENCY		3,800
h. **GRAND TOTAL**		253,485

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.12	ELECTRICAL DIST SYS IMPR	LS	2,010	03/88	01/90
	TOTAL		2,010		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

721.11	BACHELOR ENLISTED QUARTERS	LS	4,930	-	-
740.74	CHILD DEV CTR ADDITION	15,000 SF	1,700	-	-
740.43	GYMNASIUM	33,600 SF	4,100	-	-
219.10	PUBLIC WORKS SHOP COMPLEX	LS	5,000	-	-
143.41	UC-2 OPS FACILITY	LS	6,000	-	-
	TOTAL		21,730		

10. MISSION OR MAJOR FUNCTIONS:

Support the Naval Construction Force, fleet units and assigned organizational units deployed from, or homeported at the center; support mobilization requirements of the Naval Construction Force; store, preserve, and ship advanced base and mobilization stocks.

Naval construction Regiment	Naval Construction Training Center
Four Naval Mobile Construction Battalions	Naval Civil Engineering Laboratory
Naval Ship Weapon Systems Engineering Station	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	920
B: INSTALLATION RESTORATION	46,170
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	5,620

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA	4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT

5. PROGRAM ELEMENT 0702896N	6. CATEGORY CODE 812.12	7. PROJECT NUMBER P-474	8. PROJECT COST ($000) 2,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT	LS	-	-	1,810
SUBSTATIONS	LS	-	-	(940)
SUBSTATION MODIFICATIONS	LS	-	-	(440)
12 KV FEEDER LINE	LS	-	-	(170)
SOUTHERN CALIFORNIA EDISON EQUIP & LINES	LS	-	-	(260)
SUBTOTAL	-	-	-	1,810
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,900
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST	-	-	-	2,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide 66 KV/12 KV 20,000 KVA electrical service from Southern California Edison; two substations, switchgear, modify substation, connecting and feeder lines between transformers and switchgear equipment.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides electrical service from Southern California Edison to serve current and future electric power demand. (Current mission.)

REQUIREMENT:

Adequate electric power service to accommodate demands of users including Naval Construction Battalion Center (NCBC) activities, family housing, tenant activities, and leasing facilities. A 20,000 KVA electric power service is vital to meet the NCBC base mission. The increase in electric power results from an increase in operations, and completion of construction projects to come on line at NCBC.

CURRENT SITUATION:

The existing electric power service capacity is limited to 7,500 KVA continuous and 10,000 KVA peak. The continuous electrical load during office hours in 1986 was 8,000 KVA with peak to 8,700 KVA, which are very close to the NCBC capacity. It is anticipated the existing substation will reach its maximum service capability in 1990.

IMPACT IF NOT PROVIDED:

NCBC mission accomplishment will severely deteriorate. Limited to no operations growth potential, administrative and data processing will be hampered because of brown-outs, and an adverse effect on morale and productivity.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA

4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT	5. PROJECT NUMBER P-474

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED. 03-88
(B) PERCENT COMPLETE AS OF JANUARY 1990. 100
(C) DATE DESIGN 35% COMPLETE 01-89
(D) DATE DESIGN COMPLETE 01-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (95)
(B) ALL OTHER DESIGN COSTS . . . . (50)
(C) TOTAL. 145
(D) CONTRACT . . . . (130)
(E) IN-HOUSE . . . . (15)

(4) CONSTRUCTION START. 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SHIP WEAPON SYSTEMS ENGINEERING STA.
PORT HUENEME, CALIFORNIA

4. COMMAND

NAVAL SEA SYSTEMS
COMMAND

5. AREA CONSTR COST INDEX

1.18

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	17	57	2104	0	0	0	0	0	0	2178
b. END FY 1995	20	87	2104	0	0	0	0	0	0	2211

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NCBC	
b. INVENTORY TOTAL AS OF 30 SEP 89		20,650
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,150
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		14,690
h. **GRAND TOTAL**		45,490

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
315.30	WPN SYS INTEGRATION LAE	107,370 SF	10,150	12/85	10/90
	TOTAL		10,150		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

Provides in-service engineering, test, evaluation, and program management for the following weapon systems and components: HARPOON, STANDARD missile, tomahawk, Basic Point Defense, AEGIS, NATO SEASPARROW, Target Acquisition System, AN/SPS-65 Radar, MK 92 Fire Control, and MK 86 Gun Fire Control System.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL SHIP WEAPON SYSTEMS ENGINEERING STA, PORT HUENEME, CALIFORNIA	4. PROJECT TITLE WEAPON SYSTEMS INTEGRATION LABORATORY

5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 315.30	7. PROJECT NUMBER P-012	8. PROJECT COST ($000) 10,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPON SYSTEMS INTEGRATION LABORATORY	SF	107,370	-	8,170
BUILDING	SF	107,370	64.00	(6,870)
BUILT-IN EQUIPMENT	LS	-	-	(1,300)
SUPPORTING FACILITIES	-	-	-	940
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(180)
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT	LS	-	-	(270)
DEMOLITION	LS	-	-	(230)
SUBTOTAL	-	-	-	9,110
CONTINGENCY (5%)	-	-	-	460
TOTAL CONTRACT COST	-	-	-	9,570
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	580
TOTAL REQUEST	-	-	-	10,150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame and masonry building, concrete foundation and floors, built-up roof, engineered fill, elevators, computer flooring, ventilation, air conditioning, fire protection system, utilities; demolition of six buildings.

11. REQUIREMENT: 282,370 SF ADEQUATE: 175,000 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs laboratory space and ancillary facilities for weapon systems in-service engineering, automatic data processing, logistics, personnel and equipment. (Current mission.)

REQUIREMENT:

Adequate specially-configured facility for performance of reliability, maintainability and accountability, computer program support, maintenance engineering, and integrated logistics support for such weapon systems as MK-86 gun fire control system, TERRIER, BASIC POINT DEFENSE, and NATO SEASPARROW. Space is necessary for total in-service engineering for the MK-86 and TERRIER weapon systems, including redesign and laboratory functions. The need for in-service engineering and other logistics support for these operational weapons systems is increasing in direct proportion to the growing number of ships employing them. While comprehensive R&D facilities are not necessary, adequate laboratory space is required to correct and resolve performance and reliability deficiencies. As changes are proposed, testing and check-out of the weapon system and combat system interfaces must be performed. These functions require spaces for engineers and technicians to perform test and check-out functions, fault analysis functions, bread-board development efforts and instrumentation design.

CURRENT SITUATION:

Most facilities at the activity are inadequate, having reached a state of deterioration beyond economical repair. Many of the on-station facilities are trailer-like temporary structures and many are semi-permanent structures. Nineteen percent of the workforce occupies

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SHIP WEAPON SYSTEMS ENGINEERING STA, PORT HUENEME, CALIFORNIA

4. PROJECT TITLE

WEAPON SYSTEMS INTEGRATION LABORATORY

5. PROJECT NUMBER

P-012

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

leased space off base because of the space shortage. Retention of the mostly young staff of highly trained engineers and technicians is impossible because they must work in inadequate semi-permanent buildings, trailers and leased commercial facilities miles away. Day-to-day maintenance is consuming an increasingly larger part of the operating budget. Security is a critical problem in that most sensitive weapon systems' materials must be transported off-base through the surrounding community. A Navy Environmental and Preventive Medicine Unit report on these facilities was highly critical of sanitation, ventilation, and the crowded conditions.

IMPACT IF NOT PROVIDED:

Inadequate assets will be physically incapable of supporting an increasing workload. The continued dispersion of facilities will dissipate in-service engineering and logistics support productivity. Retention of trained and qualified staff will be a continuing problem.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 12-85
(B) PERCENT COMPLETE AS OF JANUARY 1990 40
(C) DATE DESIGN 35% COMPLETE 09-89
(D) DATE DESIGN COMPLETE 10-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (520)
(B) ALL OTHER DESIGN COSTS . . . . (280)
(C) TOTAL 800
(D) CONTRACT . . . . (715)
(E) IN-HOUSE . . . . (85)

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS.
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION FLEET ANTISUB WARFARE TRAINING CENTER PAC, SAN DIEGO, CALIFORNIA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONST COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	127	1081	83	73	2042	0	0	467	0	3873
b. END FY 1995	127	1095	83	83	2100	0	0	467	0	3955

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(37)	
b. INVENTORY TOTAL AS OF 30 SEP 89		40,930
c. AUTHORIZATION NOT YET IN INVENTORY		5,840
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,450
g. REMAINING DEFICIENCY		12,840
h. **GRAND TOTAL**		70,010

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	74,780 SF	8,950	10/86	08/89
	TOTAL		8,950		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

155.20	SMALL CRAFT BERTHING	1,580 FB	1,450

10. MISSION OR MAJOR FUNCTIONS:

Train personnel in the technical aspects of anti-submarine warfare, the operational and tactical use of sonar and anti-submarine warfare weapons and their applied equipments, and in the operations and maintenance of equipment and weapons.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	140
B: INSTALLATION RESTORATION	30
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION FLEET ANTISUB WARFARE TRAINING CENTER PAC. SAN DIEGO, CALIFORNIA			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS
5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-231	8. PROJECT COST ($000) 8,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	74,780	85.00	6,360
SUPPORTING FACILITIES	-	-	-	1,680
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(800)
UTILITIES	LS	-	-	(650)
PAVING AND SITE IMPROVEMENT	LS	-	-	(230)
SUBTOTAL	-	-	-	8,040
CONTINGENCY (5%)	-	-	-	400
TOTAL CONTRACT COST	-	-	-	8,440
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	510
TOTAL REQUEST	-	-	-	8,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete and masonry building, pile foundation, concrete floors, built-up roof, fire protection system, ventilation, utilities; 96 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; demolition of one building. Grade mix: 236 E1-E4, 74 E5-E6. Total: 310.

11. REQUIREMENT: 2,170 PN ADEQUATE: 827 PN SUBSTANDARD: 0 PN

PROJECT:

Provides adequate billeting for 310 enlisted personnel. (Current mission.)

REQUIREMENT:

Adequate housing for 2,170 enlisted personnel either assigned to the station as permanent support, instructors, or to tenant activities.

CURRENT SITUATION:

Existing adequate berthing capacity of 827 spaces, including 539 adequate spaces and accommodations found by 288 personnel in the local community, is insufficient, resulting in overcrowding. A new construction deficiency of 1,343 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by follow-on projects currently unprogrammed. All projected space requirements are revalidated annually by a new survey which updates planning projections.

IMPACT IF NOT PROVIDED:

Adequate living quarters for all bachelor enlisted personnel will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**
	2. DATE

3. INSTALLATION AND LOCATION

FLEET ANTISUB WARFARE TRAINING CENTER PAC, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE

BACHELOR ENLISTED QUARTERS

5. PROJECT NUMBER

P-231

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	10-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	11-87
(D) DATE DESIGN COMPLETE	08-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(300)
(B) ALL OTHER DESIGN COSTS	(230)
(C) TOTAL	530
(D) CONTRACT	(490)
(E) IN-HOUSE	(40)

(4) CONSTRUCTION START . . . 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

~~2.~~ DATE

3. INSTALLATION AND LOCATION

NAVAL OCEAN SYSTEMS CENTER,
SAN DIEGO, CALIFORNIA

4. COMMAND

SPACE AND NAVAL WARFARE
SYSTEMS COMMAND

5. AREA CONSTR COST INDEX

1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	69	247	3377	0	0	0	0	0	0	3693
b. END FY 1995	66	273	3377	0	0	0	0	0	0	3716

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,318)	
b. INVENTORY TOTAL AS OF 30 SEP 89		71,170
c. AUTHORIZATION NOT YET IN INVENTORY.		9,960
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		11,760
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY.		2,800
h. **GRAND TOTAL**		101,290

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.23	COMBINED RESEARCH LAB	80,000 SF	11,760	02/89	05/90
	TOTAL		11,760		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

315.20	ANTI-SUB WARFARE SYS LAB	36,000 SF	5,600	-	-
	TOTAL		5,600		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

The Naval Ocean Systems Center is the principal Navy RDT&E Center for Command control, communications, ocean surveillance, surface and air launched undersea weapon systems, submarine artic warfare, and supporting technologies.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	110
B:	INSTALLATION RESTORATION	3,520
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE COMBINED RESEARCH LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	310.23	P-095	11,760

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBINED RESEARCH LABORATORY	SF	80,000	117.00	9,360
SUPPORTING FACILITIES	-	-	-	1,200
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(90)
ELECTRICAL UTILITIES	LS	-	-	(530)
MECHANICAL UTILITIES	LS	-	-	(230)
PAVING AND SITE IMPROVEMENT	LS	-	-	(350)
SUBTOTAL	-	-	-	10,560
CONTINGENCY (5%)	-	-	-	530
TOTAL CONTRACT COST	-	-	-	11,090
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	670
TOTAL REQUEST	-	-	-	11,760
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete frame building, concrete foundation, floor, walls, and roof, engineered fill, utilities, fire protection system, air conditioning.

11. REQUIREMENT: 372,630 SF ADEQUATE: 292,630 SF SUBSTANDARD 0 SF

PROJECT:

Constructs secure integrated multi-use research, development, test and evaluation (RDT&E) facility for development of compartmented hardware programs with product assurance, environmental T&E, and product engineering functions collocated, including the exploitation of foreign materials; provides facilities for exploratory and advanced development of unmanned prototype autonomous undersea vehicles. (Current mission.)

REQUIREMENT:

Adequate and properly-configured secure laboratory spaces for compartmented programs and the exploitation of acquired foreign materials. Compartmented work will be performed in several of the center's mission areas including Command, Control, Communications (C3), Surveillance, ASW, Deep Ocean Engineering, and Intelligence. Basic engineering disciplines of product assurance, environmental T&E, and product engineering are required and will be collocated in this facility to provide these services to the classified hardware programs in an efficient manner before acquisition and introduction into fleet systems. The fundamental purpose is to provide solutions to Naval and Joint Services problems through the generation and application of technology, intelligence related work, foreign material exploitation, and development of prototype equipment in a secure environment. In the Ocean Engineering area, physically and visually secure space is needed to develop the unmanned prototype autonomous undersea vehicles for future ASW Special Projects.

CURRENT SITUATION:

A large percentage of this center's work is in highly classified compartmented programs that are critical to the collection and

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE

COMBINED RESEARCH LABORATORY

5. PROJECT NUMBER

P-095

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

exploitation of intelligence. NOSC is pre-eminent in intelligence-related RDT&E activities for the Navy and the intelligence community. NOSC is performing intelligence-related work in each area of their expertise including C3, ocean surveillance, ocean technology, marine science, and electronics technology which is 18 percent of their program dollars today and will increase to 27 percent by 1993. Secure laboratory facilities to perform the compartmented programs workload assigned this center do not exist. The existing facilities are inadequate, out-dated, technically and functionally very limited and non-existent for many functions. These facilities are scattered throughout the activity, resulting in economic manhours lost because of excessive transportation of equipment. These facilities are aged, generally designed for other uses, and have inherent technical environmental limitations. The development of facilities has not kept pace with the increasing funding levels associated with compartmented programs. In an interim measure, as programs are taken on, old and marginally adequate structures must be modified and refurbished at high cost to the specific project involved. The resultant risk of security compromise has become high.

IMPACT IF NOT PROVIDED:

Added, unnecessary costs, and major delays to the initial operating capability for compartmented programs will result. The thrust in RDT&E for autonomous undersea surveillance devices as a key element to the ASW mission will be greatly impeded and very possibly not attainable. The timely execution of expanding classified programs will not be achieved.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS

(A) DATE DESIGN STARTED	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(550)
(B) ALL OTHER DESIGN COSTS	(210)
(C) TOTAL	760
(D) CONTRACT	(700)
(E) IN-HOUSE	(60)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE,
SAN DIEGO, CALIFORNIA

4. COMMAND

COMMANDER IN CHIEF,
PACIFIC FLEET

5. AREA CONST COST INDEX

1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	444	5444	69	38	96	0	8	42	0	6141
b. END FY 1995	429	5665	109	23	81	0	8	42	0	6357

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (314)	
b. INVENTORY TOTAL AS OF 30 SEP 89	69,660
c. AUTHORIZATION NOT YET IN INVENTORY	41,290
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	540
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,120
f. PLANNED IN NEXT THREE PROGRAM YEARS	5,660
g. REMAINING DEFICIENCY	36,920
h. **GRAND TOTAL**	174,190

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
832.40	OILY WASTE SYSTEM	LS	540	09/88	04/90
	TOTAL		540		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

721.12	BACHELOR ENLISTED QUARTERS	114,770 SF	13,920	05/87	06/90
740.74	CHILD DEVELOPMENT CENTER	LS	3,700	-	-
812.30	POWER UPGRADE PIER	LS	2,500	-	-
	TOTAL		20,120		

B. MAJOR PLANNED NEXT THREE YEARS:

730.20	POLICE STATION	10,000 SF	2,030
179.40	SMALL ARMS RANGE	LS	630

10. MISSION OR MAJOR FUNCTIONS:

Serves as homeport for operations attack submarines of the Pacific Fleet, providing refit, maintenance, replenishment, training and ordnance support.

Two Submarine Tenders	Commander, Submarine Group Five
Two Submarine Squadrons	Commander, Submarine Development Group One

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	110
B: INSTALLATION RESTORATION	8,900
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA	4. COMMAND NAVAL SUPPLY SYSTEMS COMMAND	5. AREA CONSTR COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	24	4	1385	0	0	0	51	217	0	1681
b. END FY 1995	26	4	1385	0	0	0	45	270	0	1730

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(849)	
b. INVENTORY TOTAL AS OF 30 SEP 89		77,690
c. AUTHORIZATION NOT YET IN INVENTORY		13,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,500
g. REMAINING DEFICIENCY		2,600
h. **GRAND TOTAL**		111,790

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
431.10	COLD STORAGE WAREHOUSE	34,800 SF	8,800	05/89	08/90
	TOTAL		8,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

441.10	GENERAL WAREHOUSE	98,160 SF	6,200	-	-
	TOTAL		6,200		

B. MAJOR PLANNED NEXT THREE YEARS:

441.10	GENERAL WAREHOUSE NAVY	LS	3,500

10. MISSION OR MAJOR FUNCTIONS:

Provides supply and support services to Navy and Marine Corps activities, active and reserve fleet units, and the Military Sealift Command. Performs Defense Supply Agency functions for overseas and CONUS fleet units and the Coast Guard. A marine terminal is operated and maintained for transshipment of Department of Defense ocean cargo. The center operates a petroleum laboratory and maintains and operates storage facilities and a connecting pipeline for bulk fuel in the San Pedro area, NAS Lemoore, and at Point Loma.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	410
B: INSTALLATION RESTORATION	13,900
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	2,200

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE COLD STORAGE WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896N	431.10	P-086	8,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COLD STORAGE WAREHOUSE	LS	-	-	7,030
CHILL/FREEZE STORAGE	CF	370,000	16.00	(5,920)
BUILT-IN EQUIPMENT	LS	-	-	(1,050)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
SUPPORTING FACILITIES	-	-	-	870
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(390)
UTILITIES	LS	-	-	(320)
PAVING AND SITE IMPROVEMENT	LS	-	-	(160)
SUBTOTAL	-	-	-	7,900
CONTINGENCY (5%)	-	-	-	400
TOTAL CONTRACT COST	-	-	-	8,300
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	500
TOTAL REQUEST	-	-	-	8,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

High-bay steel frame building, pile foundation, concrete floor, masonry walls, built-up roof, central refrigeration system, air conditioning system, emergency electric power system, fire protection system, utilities; material handling, storage and retrieval system.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs a cold storage warehouse. (Current mission.)

REQUIREMENT:

An adequate and energy efficient cold storage warehouse for frozen and chilled food products that are issued to fleet units and shore stations in the San Diego area. A facility with 370,000 cubic-feet of storage is equivalent to a building of 92,500 square-feet in size with a stacking height of 8.50 - feet.

CURRENT SITUATION:

The existing cold storage warehouse is a converted general warehouse constructed in 1954 and not designed to house frozen and chilled foods. It is only large enough to store a 23-day stock level instead of the required 45-day supply. As a result of moisture infiltration into the insulation, the ceiling collapsed in 1978 requiring extensive and costly repairs. There is evidence that additional repairs will be necessary in the near future. This storage location is six miles from the primary fleet customers at the Naval Station, resulting in inefficient and costly operations. Also, the existing warehouse is located on a site required for construction of a high-rise, multiple use office building as part of the Navy's Broadway Redevelopment Project.

IMPACT IF NOT PROVIDED:

Because there is no cold storage facility available in San Diego, it will be necessary for the Navy to lease space in Los Angeles, 100 miles away. Solicitation for leased space in San Diego expired without any bidder response. A portion of the Navy's Broadway Redevelopment Project for San Diego will be delayed until the cold storage function can be relocated

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE

COLD STORAGE WAREHOUSE

5. PROJECT NUMBER

P-086

11. REQUIREMENT: (CONTINUED)
IMPACT IF NOT PROVIDED: (CONTINUED)
from the Broadway Compound.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	08-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(355)
(B) ALL OTHER DESIGN COSTS	(270)
(C) TOTAL	625
(D) CONTRACT	(595)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	225	1990	480	49	11575	0	0	252	0	14571
b. END FY 1995	208	2019	480	57	12092	0	0	254	0	15110

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(546)
b. INVENTORY TOTAL AS OF 30 SEP 89	79,980
c. AUTHORIZATION NOT YET IN INVENTORY	25,050
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	15,229
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	22,900
f. PLANNED IN NEXT THREE PROGRAM YEARS	21,391
g. REMAINING DEFICIENCY	20,820
h. **GRAND TOTAL**	185,370

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.14	BARRACKS	44,720 SF	5,630	01/89	02/90
730.83	RECRUIT SPT CTRAND CHAPEL	33,290 SF	5,779	03/86	09/90
171.50	SMALL ARMS RANGE	26,500 SF	3,820	12/88	04/90
	TOTAL		15,229		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92):				
721.15	RECRUIT BARRACKS	97,480 SF	14,200	-	-
171.20	WELDER TRAINING FACILITY	62,088 SF	8,700	-	-
	TOTAL		22,900		
	B. MAJOR PLANNED NEXT THREE YEARS:				
843.10	FIRE PROTECTION SYS	LS	560		
171.20	RECRUIT TRAINING POOL	28,700 SF	5,500		
721.15	BEQ RESTORATION	LS	4,010		

10. MISSION OR MAJOR FUNCTIONS:

Provide basic indoctrination (recruit training) for enlisted personnel: primary, advanced, and specialized training for officer and enlisted personnel of the regular Navy and the Naval Reserve.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	270
B: INSTALLATION RESTORATION	5,130
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT		2. DATE
NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	BARRACKS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	721.14	P-181	5,630

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	44,720	-	4,210
BERTHING SPACE	SF	41,580	92.00	(3,830)
SUPPORT SPACE	SF	3,140	120.00	(380)
SUPPORTING FACILITIES	-	-	-	850
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(400)
ELECTRICAL UTILITIES	LS	-	-	(60)
MECHANICAL UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(290)
SUBTOTAL	-	-	-	5,060
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST	-	-	-	5,310
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	320
TOTAL REQUEST	-	-	-	5,630
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story core building with spread footing foundation, two three-story dormitory buildings with pile foundations, concrete floors and roofs, masonry walls, reinforced concrete frames, mission clay roofing tile, fire protection system, mechanical ventilation, utilities; semi-open-bay living compartments concept.

Grade Mix: 360 E1-E4. Total: 360.

11. REQUIREMENT: 3,392 PN ADEQUATE: 2,792 PN SUBSTANDARD: 0 PN

PROJECT:

Provides adequate billeting for 360 enlisted students assigned to Navy basic "A" schools. (Current mission.)

REQUIREMENT:

Adequate housing for 3,392 "A" school students who are either undergoing basic skill training after completion of recruit training or are upgrading basic skill training requirements.

CURRENT SITUATION:

Berthing capacity of 2,792 spaces exists on base. A new construction deficiency of 600 adequate billeting spaces exists for "A" school students. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently proposed for Fiscal Year 1992. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED:

Overcrowding of adequate student berthing spaces will continue, with some students housed in facilities below the minimum standards of adequacy to the detriment of morale, training, and career retention efforts.

ADDITIONAL:

"A" school students are not eligible for civilian community housing.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE BARRACKS	5. PROJECT NUMBER P-191

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	01-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	05-89
(D) DATE DESIGN COMPLETE	02-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(150)
(B) ALL OTHER DESIGN COSTS	(120)
(C) TOTAL	270
(D) CONTRACT	(225)
(E) IN-HOUSE	(45)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	RECRUIT SUPPORT CENTER AND CHAPEL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	730.83	P-331	5,779

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RECRUIT SUPPORT CENTER AND CHAPEL	SF	33,290	103.00	3,430
SUPPORTING FACILITIES	-	-	-	1,770
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(560)
ELECTRICAL UTILITIES	LS	-	-	(350)
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT	LS	-	-	(610)
DEMOLITION	LS	-	-	(100)
SUBTOTAL	-	-	-	5,200
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST	-	-	-	5,460
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	319
TOTAL REQUEST	-	-	-	5,779
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, engineered fill, sound-proof interior walls, built-up roof over rigid insulation on steel deck, fire protection system, ventilation, utilities; parking; demolition of four buildings.

11. REQUIREMENT: 33,290 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a recruit support center with chapel. (Current mission.)

REQUIREMENT:

A Recruit Support Center to adequately accommodate, support and host receptions for graduating recruits and their families. Additionally, the Navy considers providing exposure to a religious setting is an important quality-of-life factor in the military life of its personnel in the stressful, insular environment of a Recruit Training Activity. This activity is the only recruit training center among all the Services without a chapel. From the total base population of approximately 7,000 recruits, between 4,000 and 5,000 recruits each weekend are involved in religious programs. Churches and synagogues of the San Diego area are unavailable to recruits because recruit training schedule-time constraints and training requirements prohibit recruits from leaving the command. Further, transportation of between 4,000 and 5,000 recruits to civilian churches and synagogues is impractical. With regards to costs, the construction of a chapel with support facilities as a single facility is more efficient and economical than if separate facilities were constructed. Improved quality of life is one of the Secretary of the Navy's and the Secretary of Defense's common priority goals. A facility that will offer the versatility and spatial requirements for all necessary functions of a multi-faith chapel and the various community activity organizations will assist greatly to encourage religious participation of the recruits, on base personnel, and their dependents.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE

RECRUIT SUPPORT CENTER AND CHAPEL

5. PROJECT NUMBER

P-331

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION:

Presently, the worship services of the various religious groups are being accommodated in a number of dispersed facilities. These facilities were constructed in 1942 and have outlived the life expectancy. Currently the receptions for graduating recruits and their families are being held in an assembly room within the Recruit Training Command Headquarters. The existing facility is too small to house the number of families who wish to attend the recruits' graduation ceremony. The community activity organizations are housed in inadequate facilities which are not conveniently located and do not function well. The inferiorities of existing facilities are the result of their inefficient design layout for the current use.

IMPACT IF NOT PROVIDED:

Religious worship, instruction and various community activity functions will continue to be supported by several unsatisfactory structures. The recruits will continue to perceive that their spiritual needs are insignificant in Navy life, thus presenting a negative public image.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
- (A) DATE DESIGN STARTED 03-86
- (B) PERCENT COMPLETE AS OF JANUARY 1990 35
- (C) DATE DESIGN 35% COMPLETE 09-86
- (D) DATE DESIGN COMPLETE 09-90

(2) BASIS:
- (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X
- (B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
- (A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (250)
- (B) ALL OTHER DESIGN COSTS . . . . (150)
- (C) TOTAL 400
- (D) CONTRACT . . . . (50)
- (E) IN-HOUSE . . . . (350)

(4) CONSTRUCTION START . . . . 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS

NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE SMALL ARMS RANGE

5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 171.50	7. PROJECT NUMBER P-347	8. PROJECT COST ($000) 3,820

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SMALL ARMS RANGE	SF	26,500	-	2,390
INDOOR ARMS RANGE	SF	15,200	69.00	(1,050)
ARMORY	SF	4,100	122.00	(500)
INSTRUCTION AND ADMINISTRATION	SF	7,200	116.00	(840)
SUPPORTING FACILITIES	-	-	-	1,040
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(210)
PAVING AND SITE IMPROVEMENT	LS	-	-	(420)
SUBTOTAL	-	-	-	3,430
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,600
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	220
TOTAL REQUEST	-	-	-	3,820
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, pile foundation, concrete floor, built-up roofing over concrete filled metal decking, fire protection systems, utilities, special range ventilation, target retrieval and bullet trap system, accoustical system; perimeter patrol road, security lighting.

11. REQUIREMENT: 26,500 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an indoor small arms range. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities to support accurate hands-on training in the use of small arms and to house classrooms and instructional devices. Facilities must be designed and sited for efficient operation at a location near the Recruit Training Command and beyond the boundaries of the airfield flight zone.

CURRENT SITUATION:

Facilities presently housing the small arms range, weapons and ammunition storage, and related support activities are located under the flight path of Lindbergh Field, a busy municipal airport. The location of this range, ammunition, and explosives in an airfield flight zone is in violation of regulations. The location is distant from the Recruit Training Command requiring recruits to march more than a mile each way to receive small arms training. Theoretical instruction is currently given at the firing range, using bleachers set-up in the center of the range area. Armory and magazines used twice daily are remotely located from the range. Sanitary waste facilities are undersized for the volume of use. Existing buildings are approximately 60 years old and in constant need of repair and upgrading.

IMPACT IF NOT PROVIDED:

The current marginal safety level resulting from violations of Naval and FAA regulations will continue. Excessive recruit travel time, and inappropriate size, configuration and condition of existing instructional

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE

SMALL ARMS RANGE

5. PROJECT NUMBER

P-347

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED: (CONTINUED)

facilities will continue to impede the effectiveness of recruit training.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	12-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	85
(C) DATE DESIGN 35% COMPLETE	05-89
(D) DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(190)
(B) ALL OTHER DESIGN COSTS	(140)
(C) TOTAL	330
(D) CONTRACT	(310)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START: 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS

NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA	4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND	5. AREA CONSTR COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	13	6	2320	0	0	0	0	0	0	2339
b. END FY 1995	13	3	2320	0	0	0	0	0	0	2336

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2.189)	
b. INVENTORY TOTAL AS OF 30 SEP 89		350.810
c. AUTHORIZATION NOT YET IN INVENTORY		24.250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,320
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		21.800
f. PLANNED IN NEXT THREE PROGRAM YEARS		18.900
g. REMAINING DEFICIENCY		790
h. GRAND TOTAL		419,870

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
822 12	STEAM DISTR SYS IMPROVS	LS	3.320	09/88	03/90
	TOTAL		3,320		

9. FUTURE PROJECTS

	A INCLUDED IN FOLLOWING PROGRAM (FY 92)				
214 20	AUTO VEH MAINT/HOLD SHED	54.280 SF	6.900	-	-
812 30	ELEC DISTRIBUTION SYSTEM	LS	14.900	-	-
	TOTAL		21.800		
	B MAJOR PLANNED NEXT THREE YEARS				
812 30	ELECTR DISTR SYSTEM IMPVS	LS	15.200		
441 30	HAZ/FLAMMABLE WAREHOUSE	9.650 SF	1.950		
831 41	HAZARDOUS WASTE FACILITY	LS	1.750		

10. MISSION OR MAJOR FUNCTIONS

Provide public works, utilities, housing, transportation support, engineering services, shore facilities planning support and all other logistic support of a public works nature incident thereto, required by the operating forces, shore activities and other commands served by the public works center

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A POLLUTION ABATEMENT	5.140
B INSTALLATION RESTORATION	350
C OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA	STEAM DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	822.12	P-149	3,320

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STEAM DISTRIBUTION SYSTEM IMPROVEMENTS	LS	-	-	2,980
SUBTOTAL	-	-	-	2,980
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST	-	-	-	3,130
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	190
TOTAL REQUEST	-	-	-	3,320
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Install welded-steel steam line with insulation, direct burial with expansion loops, manholes, steam traps, and valves.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Expands steam distribution system to the south portion of Naval Station, San Diego. (Current mission.)

REQUIREMENT:

Adequate "cold-iron" steam service for berthing ships at Naval Station piers 10, 11 and 12, and to provide steam to proposed berthing and repair piers.

CURRENT SITUATION:

The steam line currently serving the southern section of the Naval Station is too small to adequately supply required pressure and quantities of steam to support "cold-iron" berthing of ships. The 6-inch line provides only enough steam for ships in the floating drydock.

IMPACT IF NOT PROVIDED:

Either Mobile Utility Support Equipment (MUSE) will need to be used to support "cold-iron" berthing or ships will have to operate on-board steam generation equipment. MUSE is designed for temporary use only and is not a long term solution to the steam system deficiency. Using on-board steam generation equipment requires ships be operationally manned while in port, contrary to Navy policy. Neither MUSE nor on-board steam generation is cost-effective.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE

STEAM DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROJECT NUMBER

P-149

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 09-86
(B) PERCENT COMPLETE AS OF JANUARY 1990 90
(C) DATE DESIGN 35% COMPLETE 05-89
(D) DATE DESIGN COMPLETE 03-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS (100)
(B) ALL OTHER DESIGN COSTS (90)
(C) TOTAL 190
(D) CONTRACT (150)
(E) IN-HOUSE (40)

(4) CONSTRUCTION START 11-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA	4. COMMAND NAVAL SECURITY GROUP COMMAND	5. AREA CONSTR COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	14	244	46	0	15	0	0	0	0	319
b. END FY 1995	16	267	49	0	76	0	0	0	0	408

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,309)
b. INVENTORY TOTAL AS OF 30 SEP 89	12,730
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,472
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	16,550
h. **GRAND TOTAL**	30,752

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
841.50	POTABLE WATER SYSTEM	LS	1,472	05/89	11/89
	TOTAL		1,472		

9. FUTURE PROJECTS

A INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B MAJOR PLANNED NEXT THREE YEARS:
NONE

10 MISSION OR MAJOR FUNCTIONS

Station is part of the worldwide telecommunications system, providing tactical ship-to-shore and point-to-point communications for the Navy Defense Communications System and Naval Security Group operations

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A POLLUTION ABATEMENT	10
B INSTALLATION RESTORATION	30
C OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA		4. PROJECT TITLE POTABLE WATER SYSTEM	
5. PROGRAM ELEMENT N F I P 0305896N	6. CATEGORY CODE 841.50	7. PROJECT NUMBER P-073	8. PROJECT COST ($000) 1,472

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POTABLE WATER SYSTEM	LS	-	-	1,020
WELL	LS	-	-	(230)
PIPELINE	LS	-	-	(630)
WATER TREATMENT AND DETECTION SYSTEMS	LS	-	-	(160)
SUPPORTING FACILITIES	-	-	-	300
UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	1,320
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,390
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	82
TOTAL REQUEST	-	-	-	1,472
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Water well; six-inch pipeline; pumping station; water treatment system; emergency electric power; intrusion and chlorination detection system.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides a 200 GPM potable water well with submersible pump, valving, treatment facilities, and piping. (Current mission)

REQUIREMENT:

A dependable high quality potable water supply to accommodate the domestic water needs of 280 military personnel, 180 dependents, and 47 civilian personnel working at the activity. Provide adequate cooling and fire protection water with required pressure.

CURRENT SITUATION:

Potable water is currently provided by wells on Skaggs Island. The only reliable source of acceptable quality water to meet minimum demand is one well. Other wells either do not meet water quality standards or cannot maintain sufficient capacity because of drawdown. Water wells currently can meet only minimum domestic demand without breakdown or unforeseen needs such as a fire protection requirement.

IMPACT IF NOT PROVIDED:

Failure or degradation of the one well would necessitate restricting operations because cooling water or fire protection water may not be available. A loss of potable water would pose unacceptable health and safety risks to personnel and could result in an evacuation of government quarters.

ADDITIONAL:

An economic analysis has been prepared. Completion of exploration by test wells indicates a well located on station will meet the requirement to provide a sufficient and dependable quantity of potable water meeting water quality standards.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA		
4. PROJECT TITLE POTABLE WATER SYSTEM		5. PROJECT NUMBER P-073

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
 (A) DATE DESIGN STARTED 05-89
 (B) PERCENT COMPLETE AS OF JANUARY 1990 100
 (C) DATE DESIGN 35% COMPLETE 08-89
 (D) DATE DESIGN COMPLETE 11-89

(2) BASIS:
 (A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
 (B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
 (A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (80)
 (B) ALL OTHER DESIGN COSTS . . . . (10)
 (C) TOTAL 90
 (D) CONTRACT . . . . (70)
 (E) IN-HOUSE . . . . (20)

(4) CONSTRUCTION START 10-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1.-COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR-GROUND COMBAT CENTER,
TWENTYNINE PALMS, CALIFORNIA

4. COMMAND

COMMANDANT OF THE
MARINE CORPS

5. AREA CONSTR COST INDEX

1.32

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	202	1105	643	21	2039	0	253	4078	724	9065
b. END FY 1995	240	1298	591	30	2495	0	637	8435	880	14606

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(595.589)	
b. INVENTORY TOTAL AS OF 30 SEP 89		265,740
c. AUTHORIZATION NOT YET IN INVENTORY		103,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,820
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		53.590
g. REMAINING DEFICIENCY		57,650
h. **GRAND TOTAL**		492.650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214.53	FIELD MAINTENAMCE SHOP	4.730	SF	3.620	01/89	06/90
214.55	INDUST WSTWTR TRTMNT FACS	LS		2.600	02/89	05/90
841.40	POTABLE WATER STORAGE TANK	4.500.000	GA	4,600	03/89	07/90
	TOTAL			10.820		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

143.45	ARMORY	20.630	SF	1.600	-	-
	TOTAL			1,600		

B. MAJOR PLANNED NEXT THREE YEARS:

740.74	CHILD DEVELOPMENT CENTER	25.550	SF	4.200
111.10	CONCRETE RUNWAY	218.110	SY	39.000
730.10	MIL POLICE/FIRE STATIONS	19.320	SF	3.170
831.10	NON-POTABLE WATER SYSTEM	760.000	GA	3.375

10. MISSION OR MAJOR FUNCTIONS

Provide housing, training facilities, logistical, and administrative support for Fleet Marine Force units and other units assigned. Operate the Communication-Electronics School, and administer and conduct the air-ground training program for combined training of Fleet Marine Force units, both active and reserve.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. POLLUTION ABATEMENT	600
B. INSTALLATION RESTORATION	7.340
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	4. PROJECT TITLE FIELD MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	214.53	P-428	3,620

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIELD MAINTENANCE SHOP	SF	4,730	-	2,790
BUILDING	SF	4,730	141.00	(670)
BUILT-IN EQUIPMENT	LS	-	-	(2,120)
SUPPORTING FACILITIES	-	-	-	460
ELECTRICAL UTILITIES	LS	-	-	(130)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
SUBTOTAL	-	-	-	3,250
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,410
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	210
TOTAL REQUEST	-	-	-	3,620
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, tilt-up reinforced concrete wall panels, steel roof framing, rigid insulation, built-up roof, overhead bridge crane, fire protection system, ventilation and air conditioning, security lighting, fuel storage tanks, utilities.

11. REQUIREMENT: 73,160 SF ADEQUATE: 68,430 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a maintenance shop building and supporting facilities for fourth echelon repair of tactical equipment stationed at the center. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities to support maintenance of the M1A1 tank being assigned to this center in 1989. This tank has features that require maintenance facilities not currently available at this center. The M1A1 tanks' weight, size and engine type require maintenance bays with twice the floor space needed for other tanks, a 40-ton capacity overhead crane, and a positive pressure sound isolation room for testing the gas turbine.

CURRENT SITUATION:

Detachment "A" First Service Support Group performs major overhauls on tactical equipment stationed at this center. This equipment must be maintained in a constant state of combat readiness. Existing maintenance facilities are fully utilized. There are no facilities which can provide the needed isolation room and 40-ton crane capability, both of which are essential to M1A1 tank maintenance.

IMPACT IF NOT PROVIDED:

This center will be unable to maintain the M1A1 tanks. An estimated 70 tanks per year would be shipped to MCLB Barstow for maintenance. Mission readiness of the Fleet Marine force Third Tank Battalion would be impaired. The ability to repair tanks damaged during combined arms exercises would be eliminated with an adverse impact on training.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA

4. PROJECT TITLE

FIELD MAINTENANCE SHOP

5. PROJECT NUMBER

P-428

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 01-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 60
(C) DATE DESIGN 35% COMPLETE 07-89
(D) DATE DESIGN COMPLETE 06-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (140)
(B) ALL OTHER DESIGN COSTS . . . . (200)
(C) TOTAL 340
(D) CONTRACT . . . . (275)
(E) IN-HOUSE . . . . (65)

(4) CONSTRUCTION START . . . . 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	4. PROJECT TITLE POTABLE WATER STORAGE TANK

5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 841.40	7. PROJECT NUMBER P-447	8. PROJECT COST ($000) 4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POTABLE WATER STORAGE TANK	LS	-	-	4,130
STEEL TANK	LS	-	-	(2,300)
PIPING AND CONTROL SYSTEM	LS	-	-	(1,260)
PUMPING STATION	LS	-	-	(50)
UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT	LS	-	-	(430)
SUBTOTAL	-	-	-	4,130
CONTINGENCY (5%)	-	-	-	210
TOTAL CONTRACT COST	-	-	-	4,340
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	260
TOTAL REQUEST	-	-	-	4,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One 4.5 million gallon steel water storage tank, booster pumping station with two pumps, water distribution system piping, inter-connections between the new and existing reservoirs; utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides additional water storage capacity for increased water pressure to meet fire-safety standards. (Current mission.)

REQUIREMENT:

Adequate and sufficient water capacity at the pressure necessary to extinguish fires and furnish domestic and industrial water demands.

CURRENT SITUATION:

Potable water is obtained from Surprise Springs Water Basin ten miles from the center. Pipelines convey water by gravity flow across historically active earthquake faults to the center.. Because of the sparsely populated Mojave Desert, it is unlikely major repairs to the water transmission mains or the electrical power supply to the well field could be made in less than five days, if a disaster would occur.

IMPACT IF NOT PROVIDED:

A disruption of water transmission from the wells to the existing storage tanks would result in the supply being depleted before repairs could be made. Without water, the center would close and force 10,000 residents to seek other shelter. Potential loss from fire during this period would be an unacceptable risk.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA

4. PROJECT TITLE

POTABLE WATER STORAGE TANK

5. PROJECT NUMBER

P-447

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 45
(C) DATE DESIGN 35% COMPLETE 09-89
(D) DATE DESIGN COMPLETE 07-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (140)
(B) ALL OTHER DESIGN COSTS . . . . (210)
(C) TOTAL 350
(D) CONTRACT . . . . (280)
(E) IN-HOUSE . . . . (70)

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	COMMANDER IN CHIEF, ATLANTIC FLEET	1.17

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1076	9206	1436	291	2507	0	8	286	0	14810
b. END FY 1995	1170	9951	1454	446	2638	0	8	286	0	15953

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,387)
b. INVENTORY TOTAL AS OF 30 SEP 89	241,580
c. AUTHORIZATION NOT YET IN INVENTORY.	41,930
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	22,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	27,240
f. PLANNED IN NEXT THREE PROGRAM YEARS	59,000
g. REMAINING DEFICIENCY.	35,290
h. GRAND TOTAL	427,540

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
724.11	BACH OFF QTRS MODERN	LS	5,000	05/89	08/90
154.20	QUAYWALL REPLACEMENT	LS	9,150	03/89	08/90
165.10	THAMES RIVER DREDGING	LS	8,350	03/89	09/90
	TOTAL		22,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

721.12	BACHELOR ENLISTED QUARTERS	88,770 SF	12,700	-	-
441.10	GENERAL WAREHOUSE	LS	7,000	-	-
911.10	LAND ACQUISITION	LS	4,690	-	-
411.10	UNDERGROUND TANK REPLACMNT	LS	2,850	-	-
	TOTAL		27,240		

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BACHELOR ENLISTED QUARTERS	LS	6,760

10. MISSION OR MAJOR FUNCTIONS:

Serves as homeport for operational attack submarines of the Atlantic Fleet, providing refit, maintenance, replenishment, training, and ordnance support. Serves as host to other commands located on the base. Training and other support of FBM submarine off-crews.

Submarine Support Facility	Submarine Squadron Ten (State Pier)
Submarine Squadron Two	Submarine Development Squadron 12
Submarine Medical Center (Hospital)	Submarine Medical Research Laboratory
Submarine School	Naval Undersea Medical Institute

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A. POLLUTION ABATEMENT	10
B. INSTALLATION RESTORATION	14,400
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT		2. DATE
NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	BACHELOR OFFICER QUARTERS MODERNIZATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	724.11	P-130	5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS MODERNIZATION	LS	-	-	4,500
SUBTOTAL	-	-	-	4,500
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST	-	-	-	4,730
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	270
TOTAL REQUEST	-	-	-	5,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Alterations in three buildings including removal and replacement of partitions; new floor, wall, and ceiling coverings; bathroom and kitchen fixtures; doors; provide intercom system, telephone and cable TV outlets; fire protection and alarm systems, air conditioning, utilities; energy monitoring and control system; security lighting; stairs; asbestos removal.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides adequate billeting for 105 officer personnel. (Current mission.)

REQUIREMENT:

Adequate housing for 641 officer personnel who are either assigned duty at the base or are officer students attending one of the various schools.

CURRENT SITUATION:

Existing berthing capacity of 428 spaces, including 105 substandard spaces requiring modernization, and accommodations found by 323 personnel in the local community, is insufficient, resulting in overcrowding. After modernization of the spaces requested by this project, a new construction deficiency of 213 adequate billeting spaces will exist at this base. The remaining projected space deficit will be satisfied by a follow-on project currently unprogrammed. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED:

A large deficiency of adequate living quarters for bachelor officers, resulting in degradation of morale, training, and career retention efforts.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE

BACHELOR OFFICER QUARTERS MODERNIZATION

5. PROJECT NUMBER

P-130

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 40
(C) DATE DESIGN 35% COMPLETE 11-89
(D) DATE DESIGN COMPLETE 08-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO x
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . . (255)
(B) ALL OTHER DESIGN COSTS . . . . (125)
(C) TOTAL 380
(D) CONTRACT . . . . (330)
(E) IN-HOUSE . . . . (50)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE. NEW LONDON. CONNECTICUT	4. PROJECT TITLE QUAYWALL REPLACEMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	154.20	P-413	9.150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
QUAYWALL REPLACEMENT	LS	-	-	7.800
QUAYWALL	LS	-	-	(6.630)
DREDGING	LS	-	-	(1.170)
SUPPORTING FACILITIES	-	-	-	420
ELECTRICAL UTILITIES	LS	-	-	(100)
MECHANICAL UTILITIES	LS	-	-	(320)
SUBTOTAL	-	-	-	8.220
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST	-	-	-	8.630
SUPERVISION. INSPECTION & OVERHEAD (6.0%)	-	-	-	520
TOTAL REQUEST	-	-	-	9.150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Replace concrete retaining wall with concrete platform on steel H-piles with rip-rap slope; replace steel sheet pile bulkhead with sheet pile and concrete platform supported by rigid steel "A" frame; replace timber relieving platform and timber sheeting with concrete relieving platform over existing and new sheet pile bulkhead; all three sections include fendering, cathodic protection, street lights, storm drains and pavement; utilities relocation; dredging and rock excavation.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Replaces concrete retaining wall section north of Piers 33 and 15; replaces steel sheet pile bulkhead north of Marina Pier; includes dredging and rock excavation north of Pier 33 to provide sufficient water depth. (Current mission.)

REQUIREMENT:

Adequate repair of the quaywall to protect facilities such as the waterfront road, which is the primary weapons handling route from weapons storage to the submarines; the torpedo wire rewind shop; the torpedo handling equipment maintenance shop; the waterfront safe-haven for torpedoes during electrical storms; underground utilities; and berthing for service craft. The quaywall is a structurally integral component of the submarine base waterfront, providing a non-eroding interface between the river and the shore. It allows the patrol road and the utility systems to run parallel to the river without the threat of their being undermined and damaged by water erosion. It is necessary to replace sections of the deteriorated and severely damaged quaywall to prevent the road and utilities from eventually collapsing into the Thames River. There are several shops and buildings sited close to the water's edge that also depend on the quaywall for their foundations' structural integrity.

(CONTINUED ON DD 1391C)

DD FORM 1391
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE

QUAYWALL REPLACEMENT

5. PROJECT NUMBER

P-413

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION:

Deterioration of sheet piling and the concrete retaining wall in the vicinity of Piers 33 and 15 and the Marina Pier is allowing fill material to leak, causing an increasing number of waterfront roadway cave-ins. Conditions along the waterfront are hazardous for vehicles and weight handling equipment. The roadway running parallel to the quaywall is the principal route for the weapons delivery vehicles moving torpedoes and other weapons from the storage area to the submarine piers. Loss of this road would necessitate a re-routing of all traffic including the weapons delivery vehicles to a road which passes in front of a family housing area. Utility systems behind the bulkhead are threatened with disruption, which would severely interfere with submarine repair operations at the floating drydocks. Torpedo support shops located near the waterfront would become unusable if the material under their foundations were to wash away. Because of severe deterioration, repair is not a feasible alternative.

IMPACT IF NOT PROVIDED:

The quaywall will continue to deteriorate with possible collapse of the waterfront road and utilities causing severe reduction of support to submarines and submarine maintenance functions. Torpedo support shops would be unusable if their foundations were damaged through quaywall collapse.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E)

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(295)
(B) ALL OTHER DESIGN COSTS	(135)
(C) TOTAL	430
(D) CONTRACT	(125)
(E) IN-HOUSE	(305)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	4. PROJECT TITLE THAMES RIVER DREDGING

5. PROGRAM ELEMENT 0204896N	6. CATEGORY CODE 165.10	7. PROJECT NUMBER P-424	8. PROJECT COST ($000) 8,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
THAMES RIVER DREDGING.	LS	-	-	13,000
SUBTOTAL	-	-	-	13,000
LESS: NATO SHARE.	-	-	-	-5,650
SUBTOTAL	-	-	-	7,350
CONTINGENCY-U.S PORTION (5%)	-	-	-	370
TOTAL CONTRACT COST.	-	-	-	7,720
SUPERVISION, INSPECTION & OVERHEAD (6%). . .	-	-	-	460
U.S. PART OF SIOH FOR NATO PORTION (3%). . .	-	-	-	170
TOTAL REQUEST.	-	-	-	8,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Dredging to deepen Thames River main ship channel, operating and maneuvering areas, and alongside Piers 32 and 33.

11. REQUIREMENT: As Required.

PROJECT: Provides dredging of the Thames River and operating areas at the base in support of SSN-21 SEAWOLF nuclear-powered attack submarines. (New mission.)

REQUIREMENT: Adequate access up river to Piers 32 and 33 for SSN-21 operational evaluations and eventual homeporting. The Navy plans to construct the SSN-21 class submarine to succeed the SSN-688 Los Angeles class. The emphasis in this class will be improved machinery and combat systems in both sensors, quieting, and additional weapons. Increased hull diameter, and therefore greater draft, will permit bow-mounted, large-diameter torpedo tubes for "swim-out" torpedoes. Thirty SSN-21 submarines will be constructed carrying about twice the number of tube-launched weapons as previous classes. Appropriations for the lead ship was approved in FY 1989. Two additional SSN-21 ships are in the FY 1991 budget request. First delivery to the fleet for operational evaluations is expected in 1994. Dredging is required in the ship channel from Electric Boat, Groton to just north of Pier 33, the northern most pier at this base. Operating and maneuvering areas adjacent to the ship channel in the vicinity of base piers will be dredged to permit proper and safe berthing or getting underway of submarines. Dredging alongside the two designated SSN-21 piers, Piers 32 and 33, is also required. Operational

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19__91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT		
4. PROJECT TITLE THAMES RIVER DREDGING		5. PROJECT NUMBER P-424

11. REQUIREMENT: (Continued)
evaluation of the newly constructed submarines is scheduled to begin at New London in 1994. Future homeporting is proposed to begin in the year 2000. New London is the Atlantic Fleet's primary submarine evaluation, homeport, and training base. It is located just up the river from Electric Boat, Groton, one of only two companies which build the Navy's nuclear-powered submarines. Boats must be fully evaluated by the Navy prior to acceptance into the fleet and for continued production of additional boats by the contractor. The maximum draft of the SSN-21 will be 36 feet compared to 29 to 32 feet of the current attack submarine force. A dredged depth of 42 feet is required to provide a five-foot clearance and one foot of maintenance overdredge. An additional one foot of depth will be provided at pierside to permit diver inspection of the submarine hulls. The ship channel south of Electric Boat has a depth in excess of 42 feet to the ocean.
CURRENT SITUATION: The existing Thames River ship channel and operating and maneuvering areas do not have sufficient depth to allow passage of the new class of submarines. The channel north of Electric Boat averages a depth of 37 feet. Depths alongside Piers 32 and 33 are also inadequate for this submarine, varying in depth from 33 to 36 feet. These piers were selected as the SSN-21 support piers because they are of fairly recent construction, more isolated from the main operating area than the other piers, and will be easier to secure. None of the other base piers has sufficient dredged depth for the SSN-21.
IMPACT IF NOT PROVIDED: Operational evaluation and future homeporting of SEAWOLF SSN's will not be possible at New London. FY 1991 is not premature considering the risks of work stoppages and delays because of the permitting process, environmental litigation, weather, switch to a more remote dump site, hard dredging in rock, and other unforeseen conditions. Empirical data from dredging for SSN 688 shows a similar FY 1973 project in the Thames River reached initial operating capability in late 1975, with only some of the above noted risks being experienced.
ADDITIONAL: Based on allocation of submarines to NATO forces, NATO is contributing $5.65 million of the cost for dredging.

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT		
4. PROJECT TITLE THAMES RIVER DREDGING		5. PROJECT NUMBER P-424

12. SUPPLEMENTAL DATA: (Continued)

(1) Status:
- (a) Date Design Started........................... 3-89
- (b) Percent Complete as of January 1990........... 40
- (c) Date Design 35% Complete...................... 10-89
- (d) Date Design Complete.......................... 9-90

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(330)
- (b) All Other Design Costs........................(300)
- (c) Total... 630
- (d) Contract......................................(545)
- (e) In-house......................................(85)

(4) Construction start......................... 12-90
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE SCHOOL,
NEW LONDON, CONNECTICUT

4. COMMAND

CHIEF OF NAVAL
EDUCATION AND TRAINING

5. AREA CONSTR COST INDEX

1.17

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	95	631	27	200	2000	0	0	0	0	2953
b. END FY 1995	95	631	27	200	2000	0	0	0	0	2953

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NSB
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	17,740
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	18,990
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,300
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	39,030

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	OPS TRAINER FAC	91,000 SF	18,990	05/89	10/90
	TOTAL		18,990		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS

171.20	APPLIED INST BLDG	27,120 SF	2,300

10. MISSION OR MAJOR FUNCTIONS:

Provide officers and enlisted men with basic submarine knowledge and skills upon which operating submarine commands can build competence and proficiency in operating and maintaining submarines and their weapon systems. Provide functional, refresher, advanced, and team training to bring submarine personnel to a level of increased proficiency in specific skills.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT	4. PROJECT TITLE OPERATIONAL TRAINER FACILITY

5. PROGRAM ELEMENT 0804731N	6. CATEGORY CODE 171.35	7. PROJECT NUMBER P-398	8. PROJECT COST ($000) 18,990

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL TRAINER FACILITY	SF	91,000	131.00	11,920
SUPPORTING FACILITIES	-	-	-	5,150
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(1,220)
ELECTRICAL UTILITIES	LS	-	-	(930)
MECHANICAL UTILITIES	LS	-	-	(970)
PAVING AND SITE IMPROVEMENT	LS	-	-	(2,030)
SUBTOTAL	-	-	-	17,070
CONTINGENCY (5%)	-	-	-	850
TOTAL CONTRACT COST	-	-	-	17,920
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	1,070
TOTAL REQUEST	-	-	-	18,990
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	369,080)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Five-story steel frame building, pile foundation, concrete floors and roof on cellular metal decking, masonry walls, demountable and sliding interior partitions, TEMPEST shielding, computer flooring, air conditioning and process cooling, compressed air system, fire alarm systems, fire protection system, inert gas system, elevator, grounding and lightning protection systems, utilities.

11. REQUIREMENT: 291,170 SF ADEQUATE: 200,170 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an operational trainer facility. (New mission.)

REQUIREMENT:

The Seawolf SSN-21 class submarine will be coming on line in 1994 with unique systems on-board. Personnel must be trained in the operation and maintenance of these systems to ensure effective utilization before the first submarine is commissioned. The SSN-21 training is a new requirement involving new facilities, increased staff, and students.

CURRENT SITUATION:

No existing space is available for this new training mission as all spaces are fully occupied with current training tasks. The SSN-21 training will be concurrent with all existing training.

IMPACT IF NOT PROVIDED:

This activity will be unable to provide operations and maintenance training for the new submarine systems. Submarines will deploy without fully trained personnel, jeopardizing fleet readiness potential.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT

4. PROJECT TITLE

OPERATIONAL TRAINER FACILITY

5. PROJECT NUMBER

P-398

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 45
(C) DATE DESIGN 35% COMPLETE 10-89
(D) DATE DESIGN COMPLETE 10-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . . (710)
(B) ALL OTHER DESIGN COSTS . . . . (370)
(C) TOTAL. 1,080
(D) CONTRACT . . . . (955)
(E) IN-HOUSE . . . . (125)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
BASIC OPERATOR TRAINER	OPN & RDT&E	1989 & 1992	4,400
TWO MAINTENANCE TRAINERS	OPN & RDT&E	1989 - 1993, 1997	250,500
TEAM TRAINER	OPN	1996	104,000
TEN VARIOUS TRAINERS	OPN	1990 - 1992	10,180
		TOTAL	369,080

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PAGE NO 132

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL RESEARCH LABORATORY,
WASHINGTON, DISTRICT OF COLUMBIA

4. COMMAND

OFFICE OF THE CHIEF
OF NAVAL RESEARCH

5. AREA CONSTR COST INDEX

1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	37	9	3455	0	0	0	0	0	0	3501
b. END FY 1995	39	10	3455	0	0	0	0	0	0	3504

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,106)	
b. INVENTORY TOTAL AS OF 30 SEP 89		158,280
c. AUTHORIZATION NOT YET IN INVENTORY		50,200
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		12,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		29,190
h. **GRAND TOTAL**		259,720

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.17	ELECTRO-OPTICS RESRCH LAB	51,370 SF	9,850	02/89	10/90
	TOTAL		9,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)

312.25	SPACECRAFT/SAT LAB	80,000 SF	12,200	-	-
	TOTAL		12,200		

B. MAJOR PLANNED NEXT THREE YEARS
NONE

10. MISSION OR MAJOR FUNCTIONS

Provide research on electronic equipment and systems.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A.	POLLUTION ABATEMENT	1,200
B.	INSTALLATION RESTORATION	1,140
C.	OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA	4. PROJECT TITLE ELECTRO-OPTICS RESEARCH LABORATORY

5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 310.17	7. PROJECT NUMBER P-115	8. PROJECT COST ($000) 9,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRO-OPTICS RESEARCH LABORATORY	SF	51,370	-	8,400
BUILDING ADDITION	SF	51,370	139.00	(7,140)
BUILT-IN EQUIPMENT	LS	-	-	(1,100)
TECHNICAL OPERATING MANUALS	LS	-	-	(160)
SUPPORTING FACILITIES	-	-	-	450
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT	LS	-	-	(240)
SUBTOTAL	-	-	-	8,850
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,290
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	560
TOTAL REQUEST	-	-	-	9,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story steel frame and masonry building addition, concrete foundation and floors, built-up roof, vibration-isolated flooring, dust and environmental controls, electromagnetic shielding, secret compartmented information facility construction, clean rooms, computer flooring, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 53,800 SF ADEQUATE: 2,430 SF SUBSTANDARD: 0 SF

PROJECT:

Provides state-of-the-art optics and electro-optics research facilities. (Current mission.)

REQUIREMENT:

Basic research and development in fields of optics and electro-optics having potential for direct military applications. Includes fiber optics, laser weaponry, and focal plane arrays for space and aircraft surveillance systems, optical countermeasures, and undersea surveillance. The Naval Research Laboratory must respond in a timely fashion to rapid changes in technology and to the constant evolution of military requirements. Special compartmented vaults, secure laboratories, and shielded rooms are required for the execution of several highly classified projects.

CURRENT SITUATION:

The pre-1941 facility assets utilized today are designed in a manner to make adaptation to modern research techniques economically impossible. They were designed without the necessary dust, noise, temperature, vibration, and humidity controls required during research. Experimentation stoppages are frequent and the inability to perform certain experiments is reaching a critical level, keeping the Optical Science Division from carrying out its mission.

IMPACT IF NOT PROVIDED:

Continued operations in inadequate facilities will contribute to lost efforts and jeopardize the quality and timeliness of essential functions in the research and development of optics applications. Several

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA

4. PROJECT TITLE

ELECTRO-OPTICS RESEARCH LABORATORY

5. PROJECT NUMBER

P-115

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED: (CONTINUED)

important developmental projects in the areas of undersea surveillance, fiber optics, space surveillance, directed energy weaponry, and optical countermeasures, will not be able to proceed. Potential scientific breakthroughs may not be realized or may be substantially delayed.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	07-89
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(520)
(B) ALL OTHER DESIGN COSTS	(240)
(C) TOTAL	760
(D) CONTRACT	(730)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, JACKSONVILLE, FLORIDA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX .87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1049	6628	2500	231	437	0	47	291	0	11183
b. END FY 1995	1093	6529	2500	73	449	0	47	291	0	10982

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,895)	
b. INVENTORY TOTAL AS OF 30 SEP 89	242,810
c. AUTHORIZATION NOT YET IN INVENTORY	13,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,140
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	35,250
g. REMAINING DEFICIENCY	86,360
h. **GRAND TOTAL**	387,180

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	ANTI-SUB WARFARE TRNG FAC	22,400 SF	2,810	06/89	10/90
831.10	WASTEWATER SYSTEM IMPROVES	LS	6,330	07/89	09/90
	TOTAL		9,140		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

721 11	BACHELOR ENLISTED QUARTERS	144,040 SF	12,900
211.21	ENGINE MAINT SHOP ADDN	21,000 SF	1,500
116.10	HELI WASH AND RINSE FAC	LS	550
212.20	MK 50 TORPEDO MAINT FAC	LS	6,100
131.50	TRANSMITTER BLDG ADDITION	44,100 SF	6,200

10. MISSION OR MAJOR FUNCTIONS:

This activity is homeport for seven land-based, anti-submarine warfare (ASW) squadrons (P-3) and all east coast carrier-based ASW helicopter squadrons (SH-3/SH-60F). Provides support to the Naval Aviation Depot and a Naval Hospital.

Six Land Based ASW Squadrons	Naval Aviation Depot
Six Helicopter ASW Squadrons	Naval Air Reserve Unit
Two Fleet Readiness Squadrons	Naval Regional Medical Center

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	80
B: INSTALLATION RESTORATION	10,380
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, JACKSONVILLE, FLORIDA	ANTI-SUBMARINE WARFARE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.35	P-174	2,810

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ANTI-SUBMARINE WARFARE TRAINING FACILITY	SF	22,400	84.00	1,880
SUPPORTING FACILITIES	-	-	-	650
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(650)
SUBTOTAL	-	-	-	2,530
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST	-	-	-	2,660
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	150
TOTAL REQUEST	-	-	-	2,810
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(16,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story precast concrete frame building, spread footing foundations, concrete floor, tilt-up precast concrete panel walls, single membrane roofing on precast roof system, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 22,400 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides classroom and training facilities to familiarize, indoctrinate, train and refresh personnel in the operational and tactical employment of equipment and flight systems of the P-3 Anti-submarine Warfare (ASW) aircraft. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities to accommodate the Fleet Aviation Specialized Operational Training Group (FASO) and the Naval Air Maintenance Training Group Detachment (NAMTGD). The new facility will house $16 million of trainers to be delivered in 1992. Jacksonville is the homeport for six deployable P-3 ASW squadrons, one Naval Reserve Force P-3 squadron, and the only east coast P-3 Fleet Readiness (training) Squadron. The P-3C joined the Navy's ASW forces starting in 1969 and has been updated several times to improve its ability to process more data faster. The Navy is planning a major systems improvement program for the P-3 and has designated it P-3C Update IV. This project is specifically designed to train personnel in maintenance of the aircraft's tactical employment of weapons systems. The P-3C Update IV will utilize the same airframe, but will be updated with advanced sensors, on-board computers and new avionics to enable it to keep pace with the advances being made in submarine technologies such as quieting. Updated systems will improve the P-3's ability to detect and track new generation submarines; to communicate with the Fleet battle group commander and the improved ASW Operations centers being constructed; and to process sensor, communication, and navigation data received from many sources. Aircrews must be trained to maintain these new systems to fully

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, JACKSONVILLE, FLORIDA

4. PROJECT TITLE

ANTI-SUBMARINE WARFARE TRAINING FACILITY

5. PROJECT NUMBER

P-174

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)
utilize their ASW potential.

CURRENT SITUATION:
Jacksonville has been tasked to provide P-3C Update IV training. Currently, all P-3C training spaces are fully utilized for older model P-3C training. P-3C Update IV training will require new trainers. The older P-3C trainers will be required as long as older P-3C's are assigned to the squadrons. Complete transition is not expected until the mid-1990's.

IMPACT IF NOT PROVIDED:
Existing facilities are physically incapable of housing the new trainer equipment and the associated support spaces for the additional assigned training workload. FASO's mission will be severely hindered for training aircrews. NAMTGD will not be able to perform maintenance training to keep critical avionics components operational. NAMTGD is the only east coast facility to provide support for the P-3C Update IV training mission.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 40
(C) DATE DESIGN 35% COMPLETE 11-89
(D) DATE DESIGN COMPLETE 10-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS (150)
(B) ALL OTHER DESIGN COSTS (105)
(C) TOTAL 255
(D) CONTRACT (210)
(E) IN-HOUSE (45)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
P-3C UPDATE IV MAINTENANCE TRAINER AND ASSOCIATED EQUIPMENT	APN	1989 - 1993	16,000
		TOTAL	16,000

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, JACKSONVILLE, FLORIDA		4. PROJECT TITLE WASTEWATER SYSTEM IMPROVEMENTS	
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 831.10	7. PROJECT NUMBER P-188	8. PROJECT COST ($000) 6,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WASTEWATER SYSTEM IMPROVEMENTS	LS	-	-	5,690
SUBTOTAL	-	-	-	5,690
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST	-	-	-	5,980
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	350
TOTAL REQUEST	-	-	-	6,330
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Upgrade existing treatment plant including screening equipment, equalization tank; flow splitter, clarifiers, digested sludge pumping equipment; new aerobic digester; grit removal; instrumentation, piping

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides major upgrades of the domestic waste treatment plant (Current mission.)

REQUIREMENT:

Adequate facilities to prevent hazardous wastes targeted by the Environmental Protection Agency (EPA) from being discharged into the St Johns River as part of the activity domestic wastewater effluent. Industrial and maintenance activities and airfield operations result in the eventual discharge of listed hazardous waste to the domestic sewage treatment facility. Elimination of this discharge is mandated by compliance schedules incorporated in the National Pollutant Discharge Elimination System (NPDES) permit. Complete compliance is required by 30 September 1992.

CURRENT SITUATION:

Naval Aviation Depot Jacksonville is the east coast overhall and rework activity for P-3, F/A-18, and A-7 aircraft. NAS Jacksonville is homeport to seven P-3 squadrons, one reserve P-3 squadron and other aircraft. Also on-base are a Naval Hospital, Supply Center, and family housing. All wastewater from these activities is treated at the domestic wastewater treatment plant. The base domestic sewage treatment facility discharges into the St. Johns River. The EPA has established new limits on the quality of the treated effluent discharged into the St. Johns River. The State of Florida adopted these limits in the NPDES permit of 9 May 1988. The Air Station's operating permit states that no listed hazardous wastes will be discharged from the sanitary or domestic lines as of 30 September 1992 (the compliance date of the NPDES permit). NAS Jacksonville is currently operating outside the established 1992 limits

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, JACKSONVILLE, FLORIDA

4. PROJECT TITLE

WASTEWATER SYSTEM IMPROVEMENTS

5. PROJECT NUMBER

P-188

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

and must meet the compliance date or be forced to cease major operations, including aircraft overhaul.

IMPACT IF NOT PROVIDED:

The compliance date will not be met forcing the Air Station to eliminate essential rework and other operations.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	07-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(300)
(B) ALL OTHER DESIGN COSTS	(70)
(C) TOTAL	370
(D) CONTRACT	(325)
(E) IN-HOUSE	(45)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	2. DATE

FY 1991 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION NAVAL AVIATION DEPOT, JACKSONVILLE, FLORIDA	4. COMMAND NAVAL AIR SYSTEMS COMMAND	5. AREA CONSTR COST INDEX .87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	16	16	4510	0	0	0	0	0	0	4542
b. END FY 1995	18	16	4510	0	0	0	0	0	0	4544

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,670
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	10,500
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	25,170

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831 15	INDUST WSTWTR TREAT FACS	LS	14,670	08/89	05/90
	TOTAL		14,670		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)
NONE

B. MAJOR PLANNED NEXT THREE YEARS

812 30	UTILITIES SYS IMPRVS(II)	37,100 SF	10,500

10. MISSION OR MAJOR FUNCTIONS

Perform a complete range of depot level rework operations on designated weapons systems, accessories, and equipment; provide engineering services for development of changes of hardware design; furnish technical services on aircraft maintenance and logistics problems; and perform, upon specific request, other aircraft maintenance.

Depot Rework of Aircraft: F/A-18, A-7, P-3
Depot Rework of Engines: J52, TF34, F404

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

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1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION,
KEY WEST, FLORIDA

4. COMMAND

COMMANDER IN CHIEF,
ATLANTIC FLEET

5. AREA CONST COST INDEX

1.05

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	410	3222	597	16	66	0	0	0	0	4311
b. END FY 1995	432	3205	605	42	138	0	0	0	0	4422

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(19,209)	
b. INVENTORY TOTAL AS OF 30 SEP 89		116,960
c. AUTHORIZATION NOT YET IN INVENTORY		11,220
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		7,030
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		14,400
h. **GRAND TOTAL**		149,610

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141.41	CARIBBEAN REG OPS CENTER	LS	4,020	07/89	03/91
159.64	EOD MOBILE UNIT FAC	28,560 SF	3,010	05/86	04/90
	TOTAL		7,030		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)
NONE

B. MAJOR PLANNED NEXT THREE YEARS
NONE

10. MISSION OR MAJOR FUNCTIONS

Maintains and operates an air station to support training of flight crews using tactical aircraft and conducting training exercises in the Caribbean Sea and in the Gulf. Provides waterfront support for a patrol ship (PHM) squadron and berthing facilities for up to five surface combatants operating in the area on forward deployment. Major units supported include:

Two aircraft squadrons (30 aircraft)	Air Force Air Defense Units
Coast Guard Units (five cutters & three SES)	US Forces Caribbean
One PHM Squadron (Six Ships)	Medical Clinic
Naval Intelligence & Security Detachments	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	14,700
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION. KEY WEST, FLORIDA		4. PROJECT TITLE CARIBBEAN REGIONAL OPERATIONS CENTER	
5. PROGRAM ELEMENT C204696N	6. CATEGORY CODE 141.41	7. PROJECT NUMBER P-636	8. PROJECT COST ($000) 4,020

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CARIBBEAN REGIONAL OPERATIONS CENTER	LS	-	-	3,610
SUBTOTAL	-	-	-	3,610
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,020
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building modifications at Truman Annex to support radar installations; reinforced concrete foundations for radar tower installations at Naval Air Station, Key West and Naval Station, Guantanamo Bay, Cuba; two utility support buildings; emergency electric power generator at Cuba site.

11. REQUIREMENT: AS REQUIRED

PROJECT

Provides building upgrade and support for antenna facilities for the Caribbean Regional Operations Center (CARIBOC) (formerly Joint Air Reconnaissance Control Center) Key West to allow expansion of mission for air surveillance and control. Provides facilities in support of remote surveillance radar and communication equipment to be installed at the Naval Station, Guantanamo Bay, Cuba. (Current mission.)

REQUIREMENT

Improve air surveillance coverage and air traffic control in the Gulf of Mexico and the Caribbean Sea. The operations center is located at the Naval Air Station, Key West. It is a joint military-civilian operation with Federal Aviation Administration (FAA) providing air traffic control services to civilian air traffic in the region. The military functions are performed by Navy and Air Force personnel and report directly to the Unified Commander, Commander in Chief, Atlantic. The military mission includes monitoring all traffic, both military and civilian, in the ocean areas south of Florida. This includes monitoring Cuban and Soviet air traffic. It provides air traffic control to military aircraft training in the surrounding off-shore ranges. New missions include the monitoring of potential drug-traffic entering U.S. airspace from Latin America. An upgrade to the operations center is required to accommodate this new workload. Additional remote radar and communications facilities are required at Guantanamo Bay to expand the coverage of regions south of Cuba and into the Caribbean Sea. Utility work and building renovations will also be required. New radar and tower are being provided by FAA.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**
	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEY WEST, FLORIDA	
4. PROJECT TITLE CARIBBEAN REGIONAL OPERATIONS CENTER	5. PROJECT NUMBER P-636

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)
Air Force Radar Replacement Program.

CURRENT SITUATION:
Present building configuration and support facilities in the operations center are unable to accommodate additional workload generated by the new military responsibilities assigned to the center in the war against drugs. Surveillance of small aircraft carrying drugs cannot be adequately performed without improving the equipment and the addition of remote and more powerful radar systems. There is no practical data link of air surveillance information from Naval Air Station, Guantanamo Bay to the CARIBOC located in Key West. The present joint-use radar at the Air Station, Boca Chica Key, is obsolete and does not meet mission requirements of CARIBOC, FAA, NORAD and Joint Task Force-4 (JTF-4). Range and altitude of detection are inadequate, probability of detection is insufficient, and determination of target altitude is impossible. Key West is a high traffic area for commercial traffic going south from Miami. It is a high-use area for air-to-air combat training, and is in close proximity to Cuba. Modern three dimensional radar is necessary to fulfill Joint Chiefs of Staff responsibility to monitor air activities around Cuba, FAA responsibility to provide air traffic separation and safety of flight, NORAD responsibility for defense, and JTF-4 responsibility to detect and monitor drug smugglers in the vicinity. The present radar was installed in the 1950's and its fixed, two dimension pattern prevents detection of low altitude small aircraft, air-to-air training, and altitude reporting. Some of the electronic components, such as vacuum tubes, are out of production in the western world.

IMPACT IF NOT PROVIDED:
Surveillance cover will not be expanded. There will be no spaces for expanded functions and new equipment. The military's contribution to the drug war in the region will not reach its full potential.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS	
(A) DATE DESIGN STARTED	07-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	03-91
(2) BASIS	
(A) STANDARD OR DEFINITIVE DESIGN	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED	N/A
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E)	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(210)
(B) ALL OTHER DESIGN COSTS	(110)
(C) TOTAL	320
(D) CONTRACT	(300)
(E) IN-HOUSE	(20)
(4) CONSTRUCTION START	07-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEY WEST, FLORIDA		4. PROJECT TITLE EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FACILITY	
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 159.64	7. PROJECT NUMBER P-620	8. PROJECT COST ($000) 3.010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FAC	SF	28.560	80.00	2.280
SUPPORTING FACILITIES	-	-	-	420
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(60)
UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(290)
SUBTOTAL	-	-	-	2.700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	2.840
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	170
TOTAL REQUEST	-	-	-	3.010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame stuccoed concrete masonry-unit building, grade beam and pile foundation, concrete floors, built-up roof on steel bar-joist system, security fencing and lighting; fire protection system, air conditioning, utilities; demolition of two buildings.

11. REQUIREMENT: 28.560 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a waterfront operations, maintenance, and administration building to support an Explosive Ordnance Disposal (EOD) Mobile Unit. (New mission.)

REQUIREMENT:

Adequate and properly-configured secure facilities to accommodate EOD Mobile Unit Four, an entirely new Navy organization scheduled to be established in the Key West area at the old Truman Annex. Initially, this unit will have a staff of 63 officers and enlisted personnel, with plans to increase to a full staff of 161 by 1991. This project will accommodate the full staff, operational craft, marine systems, and administrative needs of the mobile unit. The primary mission of EOD units is to provide shore activities and forces afloat with highly skilled personnel trained in the delicate art of explosives disarmament and disposal. The function of the units is to deal with any type of explosive ordnance that could be encountered in action against an enemy, as well as Navy ordnance that is mishandled or defective. The mobile unit will be a specialized group to assist Naval activities in the southern U.S. and in the Caribbean area. The unit will also participate in mine warfare exercises, provide underwater explosive ordnance reconnaissance training for civil authorities, assist the U.S. Secret Service, and participate in research and development projects including support of the Naval Ocean Systems Center Marine Mammal Research effort. Establishment of this second east coast mobile unit will parallel the highly successful west coast program at San Diego. Facilities for Mobile Unit Two at Naval Amphibious Base, Little Creek, Virginia were

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, KEY WEST, FLORIDA

4. PROJECT TITLE

EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FACILITY

5. PROJECT NUMBER

P-620

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)
successfully programmed in FY 1986. Other Mobile Units will be established in the future as the program to replace the small detachments with regional, more capable Mobile Units proceeds.

CURRENT SITUATION:
The small four-man EOD detachment formerly serving this activity has been replaced by the much larger mobile unit. Interim facilities are being prepared and used at the Truman Annex for the new unit. These temporary facilities will provide half the space required for the mobile unit. A minimal amount of funds will be expended on these facilities to make them capable of accommodating the unit until this project is completed.

IMPACT IF NOT PROVIDED:
The new mobile unit will not have adequately sized and configured facilities to accommodate the full staff of 161 people and all its equipment, small craft, and administrative items. Establishment of marine mammal systems and mine countermeasures capability at this strategic location will be hindered.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	05-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	70
(C) DATE DESIGN 35% COMPLETE	09-86
(D) DATE DESIGN COMPLETE	04-90
(2) BASIS:	
(A) STANDARD OR DEFINITIVE DESIGN	YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED	N/A
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(185)
(B) ALL OTHER DESIGN COSTS	(125)
(C) TOTAL	310
(D) CONTRACT	(270)
(E) IN-HOUSE	(40)
(4) CONSTRUCTION START	12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

FLEET TRAINING CENTER,
MAYPORT, FLORIDA

4. COMMAND

CHIEF OF NAVAL
EDUCATION AND TRAINING

5. AREA CONSTR COST INDEX

.87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	17	100	2	4	49	0	0	0	0	172
b. END FY 1995	18	102	2	8	70	0	0	0	0	200

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NS
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	4,300

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179 45	FIRE FIGHTING TRNG FAC	LS	4,300	05/89	04/90
	TOTAL		4,300		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)
NONE

B. MAJOR PLANNED NEXT THREE YEARS
NONE

10. MISSION OR MAJOR FUNCTIONS

Provide facilities for anti-submarine, communications, electronics, ship handling, navigation, and seamanship training for the operating forces of the Navy.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

FLEET TRAINING CENTER,
MAYPORT, FLORIDA

4. PROJECT TITLE

FIRE FIGHTING TRAINING
FACILITY

5. PROGRAM ELEMENT

0805796N

6. CATEGORY CODE

179.45

7. PROJECT NUMBER

P-168

8. PROJECT COST ($000)

4,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINING FACILITY	LS	-	-	2,960
TRAINER STRUCTURE	LS	-	-	(1,610)
APPLIED INSTRUCTION BUILDING	SF	12,120	92.00	(1,120)
BUILT-IN EQUIPMENT	LS	-	-	(60)
TECHNICAL OPERATING MANUALS	LS	-	-	(170)
SUPPORTING FACILITIES	-	-	-	910
ELECTRICAL UTILITIES	LS	-	-	(100)
MECHANICAL UTILITIES	LS	-	-	(450)
PAVING AND SITE IMPROVEMENT	LS	-	-	(360)
SUBTOTAL	-	-	-	3,870
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST	-	-	-	4,060
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	240
TOTAL REQUEST	-	-	-	4,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(4,660)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete trainer structure and control building; two-story reinforced concrete frame instruction building, concrete foundation and floors, built-up roof; fire protection system, air conditioning, utilities; pollution abatement, fuel, water and wastewater treatment storage tanks; burning devices.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides a fire fighting training facility which complies with State of Florida environmental requirements. (Current mission.)

REQUIREMENT:

Adequate facilities to train crash and rescue crews as a team in extinguishing simulated aircraft and crash fires utilizing all tools and equipment available on an aircraft carrier flight deck. Naval Station Mayport is homeport to two aircraft carriers, numerous surface combatants and all the Atlantic Fleet LAMPS Mk III ASW helicopters. The need to train personnel in techniques, especially teamwork, to combat fires that occur on the flight deck and the airfield is essential. This large-scale, realistic, team-oriented training is presently unavailable at Mayport. The device will be configured so the fire can be attacked from any side. The facilities will allow two two-day classes of 60 students each and one one-day class of 30 students to be conducted each week. Approximately 6,000 students will be trained each year. The project will improve readiness by providing well trained, confident crash and salvage crews ready to take the lead in suppressing any fire that may occur.

CURRENT SITUATION:

Current oil-fired trainers require an extensive amount of time and materials for clean-up and restart between training sessions and are not conducive to team damage control training. The current trainer does not adequately simulate all potential aviation type fires. Crash and rescue crews currently do not receive live fire training as a team. Individual

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

FLEET TRAINING CENTER, MAYPORT, FLORIDA

4. PROJECT TITLE

FIRE FIGHTING TRAINING FACILITY

5. PROJECT NUMBER

P-168

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

training for each crewman is provided by the Fleet. These fire awareness courses are not sufficiently challenging and lack the full complement of flight deck equipment and mobile firefighting vehicles. Large scale pool and running fuel fire suppression courses are not presently taught at any Navy fire fighting schools.

IMPACT IF NOT PROVIDED:

Shipboard personnel will not receive proper classroom and field exposure to actual fire situations and associated extinguishing agents to meet fleet training needs.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 70
(C) DATE DESIGN 35% COMPLETE 09-89
(D) DATE DESIGN COMPLETE 04-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (250)
(B) ALL OTHER DESIGN COSTS . . . . (80)
(C) TOTAL 330
(D) CONTRACT . . . . (300)
(E) IN-HOUSE . . . . (30)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FIRE FIGHTING TRAINER	OPN-BA 7	1993	4,660
		TOTAL	4,660

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION,
MAYPORT, FLORIDA

4. COMMAND

COMMANDER IN CHIEF,
ATLANTIC FLEET

5. AREA CONSTR COST INDEX

.87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1446	16154	737	42	189	0	79	330	0	18977
b. END FY 1995	1278	13643	737	45	202	0	104	439	0	16448

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,409)	
b. INVENTORY TOTAL AS OF 30 SEP 89	160,800
c. AUTHORIZATION NOT YET IN INVENTORY	25,420
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	17,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	31,050
h. GRAND TOTAL	239,420

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
841.30	POTABLE WTR SYS IMPRVS	LS	4,950	07/89	09/90
	TOTAL		4,950		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

740.74	CHILD DEVELOPMENT CENTER	16,020	SF	2,150	-	-
890.21	COMPRESSED AIR DISTR SYS	6,500	LF	1,980	-	-
841.10	FEED WATER VEMIN	LS		990	-	-
831.41	HAZARDOUS WASTE FACILITY	LS		1,120	-	-
740.84	PHYSICAL FITNESS CENTER	15,150	SF	460	-	-
843.20	PIER FIRE PROTECTION	LS		1,300	-	-
832.10	SANITARY SEWER	LS		600	-	-
841.10	WATER TREATMENT FACILITY	8,000	KG	8,600	-	-
	TOTAL			17,200		

10. MISSION OR MAJOR FUNCTIONS:

Mayport is homeport for five LAMPS MK III Helicopter Squadrons (SH 60-E Helicopter) and one LAMPS MK I Helicopter Squadron. Deliveries of the SH-60 Helicopter began in 1985. Major units homeported at Mayport include two aircraft carriers; 28 cruisers, destroyers and frigates; one destroyer tender; three reserve ships; SIMA; and a fleet training center.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	90
B: INSTALLATION RESTORATION	13,450
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM
	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, MAYPORT, FLORIDA	4. PROJECT TITLE POTABLE WATER SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	841 30	P-830	4,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POTABLE WATER SYSTEM IMPROVEMENTS	LS	-	-	3,710
WATER TREATMENT FACILITIES	LS	-	-	(760)
GROUND LEVEL WATER STORAGE TANK	LS	-	-	(530)
PUMPING FACILITIES	LS	-	-	(640)
DISTRIBUTION SYSTEM IMPROVEMENTS	LS	-	-	(1,620)
STORAGE TANK REPAIRS	LS	-	-	(80)
TECHNICAL OPERATING MANUALS	LS	-	-	(80)
SUPPORTING FACILITIES	-	-	-	740
ELECTRICAL UTILITIES	LS	-	-	(650)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(90)
SUBTOTAL	-	-	-	4,450
CONTINGENCY (5%)	-	-	-	220
TOTAL CONTRACT COST	-	-	-	4,670
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	280
TOTAL REQUEST	-	-	-	4,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Constructs one 2,000,000-gallon ground-level water storage tank; repairs a 500,000 gallon ground-level water storage tank; emergency generator; distribution system improvements including new pipeline, fittings, valves; high-pressure pumping facilities; aeration and chlorination treatment facility; electrical utilities; demolition of treatment plant

11. REQUIREMENT: AS REQUIRED

PROJECT

Provides one 2,000,000-gallon and repairs a 500,000-gallon ground-level water storage tanks, new water treatment plant; high pressure pumping station, and improvements to the water distribution system. (Current mission.)

REQUIREMENT

Additional potable water storage capacity to meet present operating water pressure demands and to satisfy the fire fighting water requirements of the station. Mayport has experienced significant growth over the past decade. A large, medium-industrial Shore Intermediate Maintenance Activity (SIMA) is now in operation. A new berthing wharf for FFG-7 class frigates is complete. The existing berthing wharfs have been upgraded. A completely new helicopter support complex was developed. Numerous personnel support facilities have been built or are under construction. Five helicopter squadrons and several new ships are now homeported. All these functions, facilities, and users require fresh water for industrial and domestic use and for fire protection. New water treatment facilities are required to ensure the water is completely disinfected before domestic use and to remove gases from the well water which act to corrode pipes and metal equipment.

CURRENT SITUATION

Water is supplied to water storage tanks from wells located on the base. Water is treated prior to being stored and distributed. The existing potable water storage capacity consists of 750,000 gallons with 500,000 in one ground storage tank and 250,000 gallons in an elevated storage

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION, MAYPORT, FLORIDA

4. PROJECT TITLE

POTABLE WATER SYSTEM IMPROVEMENTS

5. PROJECT NUMBER

P-830

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

tank. The near-term water storage capacity requirement is 2,750,000 gallons to meet daily industrial and domestic demands and to have enough water in reserve for fire fighting. Additional water storage capacity and water treatment facilities are required to support recent on-base development. The current capacity does not safisfy even the fire fighting reserve requirement of one million gallons. The water distribution system to the industrial areas is insufficiently sized to deliver the required 4,000 gallons per minute needed for fire fighting. The new high-pressure pumping station will provide the required volume per minute as well as hose-end pressure. The existing treatment plant is not capable of providing satisfactory water quality for base requirements. Mayport well water is highly mineralized and corrosive. Dissolved gases such as carbon dioxide and hydrogen sulfide are not sufficiently removed during the aeration process and the water is not completely disinfected during chlorination. The existing facilities are in poor mechanical condition and certain component parts are improperly sized for daily demand. Major elements of the plant were built in 1960 and have reached the end of their economic life.

IMPACT IF NOT PROVIDED:

Sufficient water capacity on the base will not be available should a major fire occur. All existing capacity would be consumed leaving the base without enough industrial and domestic water for about 24 hours. The maintenance problems plaguing the treatment facilities will continue to occur with system failure a distinct possibility. Hard water will continue to corrode pipes and metal equipment.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	07-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	09-90
(2) BASIS:	
(A) STANDARD OR DEFINITIVE DESIGN	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED	N/A
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E)	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(95)
(B) ALL OTHER DESIGN COSTS	(65)
(C) TOTAL	160
(D) CONTRACT	(130)
(E) IN-HOUSE	(30)
(4) CONSTRUCTION START	12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR COST INDEX 84

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	405	2223	2086	720	14329	0	0	212	0	19975
b. END FY 1995	415	2207	2078	720	17514	0	0	215	0	23149

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,072)	
b. INVENTORY TOTAL AS OF 30 SEP 89		189,760
c. AUTHORIZATION NOT YET IN INVENTORY		54,640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		18,030
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		19,270
g. REMAINING DEFICIENCY		29,570
h. **GRAND TOTAL**		315,270

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.14	BARRACKS	116,630 SF	10,960	04/86	08/87
722.10	MESS HALL	52,000 SF	7,070	05/89	10/90
	TOTAL		18,030		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM (FY 92)

740.74	CHILD DEVELOPMENT CENTER	34,780 SF	4,000	-	-
	TOTAL		4,000		

B. MAJOR PLANNED NEXT THREE YEARS

721.14	BARRACKS	LS	11,240
431.10	COLD STORAGE WAREHOUSE	10,370 SF	1,940
844.30	FIRE PROTECTION SYS	LS	580
441.10	WAREHOUSE	121,600 SF	5,510

10. MISSION OR MAJOR FUNCTIONS

Provide basic indoctrination (recruit training) for enlisted personnel primary, advanced, and specialized training for officer and enlisted personnel.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A. POLLUTION ABATEMENT	60
B. INSTALLATION RESTORATION	3,000
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA	4. PROJECT TITLE BARRACKS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	721.14	P-200	10,960

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	116,630	66.00	7,700
SUPPORTING FACILITIES	-	-	-	2,150
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(1,810)
SUBTOTAL	-	-	-	9,850
CONTINGENCY (5%)	-	-	-	490
TOTAL CONTRACT COST	-	-	-	10,340
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	620
TOTAL REQUEST	-	-	-	10,960
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Seven-story steel frame building, concrete foundation and floors, masonry walls with brick facing, built-up roof over concrete on steel deck, elevators, automatic sprinkler fire protection system, air conditioning, utilities; semi-open-bay living compartments concept; demolition of one building.

Grade mix: 720 E1-E4 Total: 720

11. REQUIREMENT: 8,224 PN ADEQUATE: 6,396 PN SUBSTANDARD: 0 PN

PROJECT:

Provides adequate billeting for 720 enlisted students assigned to Navy basic "A" schools. (Current mission.)

REQUIREMENT:

Adequate housing for 8,224 "A" school students who are either undergoing basic skills training after completion of recruit training or upgrading fleet skill training requirements.

CURRENT SITUATION:

Adequate berthing capacity of 6,336 spaces exist on base, including the 720 spaces funded in FY 1987, and the 1,440 spaces funded in FY 1989. A new construction deficiency of 1,828 adequate billeting spaces exist for "A" school students. Upon completion of this project, the remaining projected space deficit will be satisfied by follow-on projects currently proposed for FY 1992 and FY 1993. All projected space requirements are revalidated annually by a new survey, which updates planning projections. Some students are currently housed in overcrowded, inadequate, 40 year-old facilities which cannot be economically modernized.

IMPACT IF NOT PROVIDED:

Overcrowding of adequate student berthing spaces will continue, with some students housed in facilities below the minimum standards of adequacy, to the detriment of morale, training, and career retention efforts.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, ORLANDO, FLORIDA

4. PROJECT TITLE

BARRACKS

5. PROJECT NUMBER

P-200

12. SUPPLEMENTAL DATA

A. ESTIMATED DESIGN DATA. (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS

(A) DATE DESIGN STARTED	04-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	10-86
(D) DATE DESIGN COMPLETE	08-87

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN	YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E)

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(235)
(B) ALL OTHER DESIGN COSTS	(60)
(C) TOTAL	295
(D) CONTRACT	(265)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS

NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY FY 1991 **MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA	4. PROJECT TITLE MESS HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	722.10	P-240	7,070

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL	SF	52,000	-	5,650
BUILDING	SF	52,000	107.00	(5,560)
TECHNICAL OPERATING MANUALS	LS	-	-	(90)
SUPPORTING FACILITIES	-	-	-	700
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(470)
SUBTOTAL	-	-	-	6,350
CONTINGENCY (5%)	-	-	-	320
TOTAL CONTRACT COST	-	-	-	6,670
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	400
TOTAL REQUEST	-	-	-	7,070
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel-frame building, concrete foundation and floor, masonry walls, built-up roof, fire protection system, air conditioning, utilities; loading ramp, emergency generator; equipment for kitchen, galley, dining, serving, storage; demolition of five buildings.

11. REQUIREMENT: 104,000 SF   ADEQUATE: 52,000 SF   SUBSTANDARD: 0 SF

PROJECT:

Provides a centrally-located mess hall for more dining space, food service, and storage. (Current mission.)

REQUIREMENT:

Adequate additional dining capacity to support the NTC Orlando complex. This project supports the move of the Electronics Technician "A" School from Great Lakes to Orlando.

CURRENT SITUATION:

The existing mess hall is overloaded resulting in slow service at peak meal periods. This overuse causes personnel to spend excessive time waiting in line to enter the facility. Galley personnel must spend long periods of time preparing and serving food, reducing time allotted for clean-up and maintenance of equipment.

IMPACT IF NOT PROVIDED:

This center cannot accommodate the expanded mission with its associated workload.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED 05-89

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, ORLANDO, FLORIDA

4. PROJECT TITLE

MESS HALL

5. PROJECT NUMBER

P-240

12. SUPPLEMENTAL DATA: (CONTINUED)

(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS

(A) STANDARD OR DEFINITIVE DESIGN YES___ NO x

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E)	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(365)
(B) ALL OTHER DESIGN COSTS	(125)
(C) TOTAL	490
(D) CONTRACT	(440)
(E) IN-HOUSE	(50)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS

NONE

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL COASTAL SYSTEMS CENTER,
PANAMA CITY, FLORIDA

4. COMMAND
SPACE AND NAVAL WARFARE
SYSTEMS COMMAND

5. AREA CONSTR COST INDEX
87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	47	392	1352	45	233	0	0	0	0	2069
b. END FY 1995	51	425	1358	45	366	0	0	0	0	2245

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,112)	
b. INVENTORY TOTAL AS OF 30 SEP 89		75.090
c. AUTHORIZATION NOT YET IN INVENTORY		7.330
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4.330
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4.820
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		15.070
h. **GRAND TOTAL**		106.640

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.33	COMP/ANALYSIS LAB ADDN	33,000 SF	4,330	05/89	06/90
	TOTAL		4,330		

9. FUTURE PROJECTS

A INCLUDED IN FOLLOWING PROGRAM (FY 92)

315.20	U/W ELEX SYS ENG/TEST FAC	50.000 SF	4.820	-	-
	TOTAL		4.820		

B MAJOR PLANNED NEXT THREE YEARS
NONE

10 MISSION OR MAJOR FUNCTIONS

Principal Navy RDT&E center for the application of science and technology associated with military operations in the coastal region. Maintains the primary in-house research and development capability for inshore warfare including countermeasures, defense, surveillance, and interdiction; control technology; naval swimmer/diver support systems; salvage support; acoustic countermeasures, and amphibious operations. Host to Diving/Salvage Training Center.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A	POLLUTION ABATEMENT	0
B	INSTALLATION RESTORATION	12.740
C	OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL COASTAL SYSTEMS CENTER,
PANAMA CITY, FLORIDA

4. PROJECT TITLE
COMPUTATION AND ANALYSIS
LABORATORY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	310.33	P-301	4,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPUTATION AND ANALYSIS LABORATORY ADDN	SF	33,000	-	3,520
BUILDING	SF	33,000	91.00	(3,000)
BUILT-IN EQUIPMENT	LS	-	-	(520)
SUPPORTING FACILITIES	-	-	-	370
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(120)
ELECTRICAL UTILITIES	LS	-	-	(110)
MECHANICAL UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT	LS	-	-	(50)
SUBTOTAL	-	-	-	3,890
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST	-	-	-	4,090
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	240
TOTAL REQUEST	-	-	-	4,330
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(31,550)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete frame building, concrete foundation and floors, masonry walls, cast-in-place reinforced concrete roof, acoustic absorption features, radio frequency shielded spaces, five-ton bridge crane, fire protection system, air conditioning and mechanical ventilation, utilities; security vault areas

11. REQUIREMENT: 120,320 SF ADEQUATE: 87,320 SF SUBSTANDARD: 0

PROJECT

Provides building addition to consolidate the computation and analysis area with multi-discipline laboratory for RDT & E on undersea countermeasure and coastal and special warfare programs. (Current mission.)

REQUIREMENT

Adequate research and computer space for high priority programs in surface mine countermeasure exploratory development, all Naval Special Warfare, sonar and torpedo countermeasures, and the Mine Countermeasure (MCM-1) Class Combat System. The U.S. Navy countermeasure technology requires continuous improvements to meet the threat of the 1990's. The Countermeasures Evaluator (CME) and the Active Sonar Model (ASM) are the center's computer simulation systems, utilized to provide real-time, interactive simulation of acoustic-sensors (torpedo and mine and sonar), ships and submarines, and acoustic countermeasures in a simulated at-sea environment. The software engineering provides life-cycle maintenance and supports the software development for the CME and the Surface Ship Torpedo Defense (SSTD) program. Also needed is a comprehensive, multi-discipline Naval Special Warfare area which incorporates major aspects and functions (i.e. submersible, surface and air platforms, command/control/communications and intelligence, life support and weapons) from other warfare areas for application in a variety of environments worldwide. The continually changing nature of the threat and the requirements specified for the Naval Special Warfare community require the development and application of new technology to meet the

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA

4. PROJECT TITLE
COMPUTATION AND ANALYSIS LABORATORY ADDITION

5. PROJECT NUMBER
P-301

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

difficult and complex missions of the Naval Special Warfare forces. The proposed facility will provide the required space to centralize vital computer assets used for simulation studies, software development, signal processing, engineering design of systems and hardware, and provide compartmented workspace for Special Warfare programs.

CURRENT SITUATION:

The projected workload at the center will triple in the future, as mandated initiatives in Naval Special Warfare and undersea countermeasures are being developed. These programs will require secure laboratory and computer space, and compartmented workspace, which cannot be provided in existing facilities. Many of the above new and expanded mission requirements require the scientific expertise of many different disciplines, all applied to a single undertaking. Current spatial deficiencies render collocation impossible, requires scientists working on a common problem to work in three separate facilities, and prevents scientific inter-disciplinary dialogues and communication required for development of new ideas, new products and maximum creativity. Current facilities are inadequate, overcrowded, and lack sufficient secure space to accommodate further system expansion from the growth in computer and equipment assets, as well as environmental controls.

IMPACT IF NOT PROVIDED:

Navy's surface ships and submarine forces will continue to operate with less than optimum defenses against threat, mines, sonar, and torpedoes. Emergent mandated research to develop improved mine and torpedo countermeasures systems and equipment cannot be carried out, which effects the product development to be utilized by the Fleet for protection. Proper management, direction, and execution of Naval Special Warfare Research and Development will be in jeopardy, as potential scientific breakthroughs may not be realized or may be substantially delayed because of continued operations in unsecure and inadequate facilities needed for special access programs.

12. SUPPLEMENTAL DATA

A. ESTIMATED DESIGN DATA. (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS	
(A) DATE DESIGN STARTED	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	06-90
(2) BASIS	
(A) STANDARD OR DEFINITIVE DESIGN	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED	N/A
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E)	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(250)
(B) ALL OTHER DESIGN COSTS	(125)
(C) TOTAL	375
(D) CONTRACT	(300)
(E) IN-HOUSE	(75)
(4) CONSTRUCTION START	12-90 (MONTH AND YEAR)

(CONTINUED ON DD 1391C)

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA

4. PROJECT TITLE

COMPUTATION AND ANALYSIS LABORATORY ADDITION

5. PROJECT NUMBER

P-301

12. SUPPLEMENTAL DATA: (CONTINUED)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
CME COMPUTER EQUIP W/SOFTWARE	NIF	1991	15,000
ASM COMPUTER EQUIP W/SOFTWARE	NIF	1991	7,000
MK-50 TORPEDO EQUIP	NIF	1991	3,000
LINK PALM COMPUTER	NIF	1991	300
SIGNAL/IMAGE COMPUTER SYS W/SOFTWARE	NIF	1991	1,000
SEETEC COMPUTER W/SOFTWARE	NIF	1991	1,400
CAE DSGN/MANF SYS COMPUTER W/SOFTWARE	NIF	1991	700
VEH/TECH COMP COMPUTER SYS W/SOFTWARE	NIF	1991	500
STAFS COMPUTER SYS	NIF	1991	1,200
PRIME 9955 COMPUTER SYS FOR OTHER MANG SYS	NIF	1991	500
NALCON VAX 11/750 COMPUTER W/SOFTWARE	NIF	1991	350
LAN EQUIP	NIF	1991	300
TEST CONTROL ELNX	NIF	1991	300
		TOTAL	31,550

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVY PUBLIC WORKS CENTER,
PENSACOLA, FLORIDA

4. COMMAND
NAVAL FACILITIES
ENGINEERING COMMAND

5 AREA CONSTR COST INDEX
.82

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	10	0	800	0	0	0	0	0	0	810
b. END FY 1995	9	5	800	0	0	0	0	0	0	814

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(272)
b. INVENTORY TOTAL AS OF 30 SEP 89	69.080
c. AUTHORIZATION NOT YET IN INVENTORY	7.720
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3.460
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	2.200
g. REMAINING DEFICIENCY	6.950
h. GRAND TOTAL	89.410

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
842.10	WTR & SEWER PIPELINES SEP	LS	3.460	05/89	07/90
	TOTAL		3.460		

9. FUTURE PROJECTS:

A INCLUDED IN FOLLOWING PROGRAM (FY 92)
NONE

B MAJOR PLANNED NEXT THREE YEARS:

841.51	POTABLE WATER RESERVOIRS	5.680 GM	2.200

10. MISSION OR MAJOR FUNCTIONS:

Provides public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support, and all other public works logistics support incident thereto, required by the operating forces, dependent activities, and other commands located in the vicinity of the Pensacola Navy Complex.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A	POLLUTION ABATEMENT	2.450
B	INSTALLATION RESTORATION	0
C	OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

DD FORM 1390
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS LOGISTICS BASE,
ALBANY, GEORGIA

4. COMMAND

COMMANDANT OF THE
MARINE CORPS

5. AREA CONST COST INDEX

.85

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	131	823	2794	0	125	0	15	72	407	4367
b. END FY 1995	140	872	2895	0	0	0	16	99	254	4276

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,673)	
b. INVENTORY TOTAL AS OF 30 SEP 89	89,890
c. AUTHORIZATION NOT YET IN INVENTORY	11,820
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,360
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,350
f. PLANNED IN NEXT THREE PROGRAM YEARS	650
g. REMAINING DEFICIENCY	750
h. **GRAND TOTAL**	108,820

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.15	INDUST WST TRMT PLNT IMPVS	LS	1,360	06/89	06/90
	TOTAL		1,360		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

213.59	ABRASIVE BLAST FACILITY	19,600 SF	4,350	-	-
	TOTAL		4,350		

B. MAJOR PLANNED NEXT THREE YEARS:

740.74	CHILD DEVELOPMENT CENTER	LS	650

10. MISSION OR MAJOR FUNCTIONS:

Perform the full range of inventory management functions for secondary items to which assigned integrated materiel management responsibility; perform, subsequent to acquisition phase, full range of inventory management functions for principal end items; oversee fielded Marine Corps weapons systems readiness and logistic support; perform cataloging and delegated standardization functions for the Marine Corps; perform all required storage functions in support of on-hand stores materiel; provide fifth echelon depot level maintenance capability for support of nonconsumable items rebuild requirements; provide overflow fourth echelon maintenance capability in support of operating forces nonconsumable item repair requirements; provide a central logistics quality assurance program; conduct formal schools and training, as directed; and perform such other tasks and functions as may be directed by the Commandant of the Marine Corps.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	470
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA	4. PROJECT TITLE INDUSTRIAL WASTE TREATMENT PLANT IMPROVEMENTS

5. PROGRAM ELEMENT 0702896M	6. CATEGORY CODE 831.15	7. PROJECT NUMBER P-605	8. PROJECT COST ($000) 1,360

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INDUSTRIAL WASTE TREATMENT PLANT IMPROVEMENT	LS	-	-	1,220
TREATMENT FACILITIES	LS	-	-	(730)
SECONDARY CONTAINMENT	LS	-	-	(330)
REPAIR AND REPLACEMENT OF PLANT COMPONENTS	LS	-	-	(160)
SUBTOTAL	-	-	-	1,220
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST	-	-	-	1,280
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,360
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

New influent flow division box, gravity separator, chrome reduction tank, dissolved air flotation tank, mechanical mixing system in existing surge tanks, automatic polymer feed and dosage system; secondary containment tanks with spillage removal piping systems; improvements to existing flow metering, chemical feed pump and motor; repair and replacement of existing plant deteriorated tanks; utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides additional and improved capabilities to remove oils, greases, and settleable solids to improve the industrial wastewater treatment plant efficiency. (Current mission.)

REQUIREMENT:

Adequate facilities to bring the industrial wastewater treatment plant into full compliance with applicable Environmental Protection Agency standards and criteria. Improve effluent standards for metal finishing and the hazardous waste management system.

CURRENT SITUATION:

Wastewaters are received from several industrial and maintenance shops. After various wash and rinses and pumping through separators, concentrated wastes are periodically removed, containerized, and stored in dedicated tanks. Downstream of the surge tanks, wastes are pumped through various tanks with effluent being discharged into the sanitary sewer system. A recent study of the effluent quality found oil and grease carry through into the sewage treatment plant in violation of its National Pollution Discharge Elimination System (NPDES) permit limit.

IMPACT IF NOT PROVIDED:

Present operations will continue, causing periodic effluent quality violations. Unmetered, poorly controlled process operations and structural deterioration of existing tankage will be perpetuated.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA

4. PROJECT TITLE

INDUSTRIAL WASTE TREATMENT PLANT IMPROVEMENTS

5. PROJECT NUMBER

P-605

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 40
(C) DATE DESIGN 35% COMPLETE 11-89
(D) DATE DESIGN COMPLETE 06-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (55)
(B) ALL OTHER DESIGN COSTS . . . . (25)
(C) TOTAL 80
(D) CONTRACT . . . . (75)
(E) IN-HOUSE . . . . (5)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE,
KINGS BAY, GEORGIA

4. COMMAND

COMMANDER IN CHIEF,
ATLANTIC FLEET

5. AREA CONST COST INDEX

.98

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	335	4766	1465	0	0	0	2	26	0	6594
b. END FY 1996	528	6535	1475	0	268	0	2	26	0	8834

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(17,000)	
b. INVENTORY TOTAL AS OF 30 SEP 89		457,540
c. AUTHORIZATION NOT YET IN INVENTORY		873,939
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		66,675
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		400
f. PLANNED IN NEXT THREE PROGRAM YEARS		10,530
g. REMAINING DEFICIENCY		6,830
h. **GRAND TOTAL**		1,415,914

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	73,000 SF	7,230	02/89	09/90
152.10	EXPLOSIVES HNDLG WHARF	LS	56,615	05/89	09/90
421.48	SMALL ORDNANCE MAGAZINE	LS	620	10/88	07/90
171.20	TRIDENT TRAINING FAC ADDNS	13,600 SF	2,210	06/89	05/90
	TOTAL		66,675		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

811.59	GENERATOR TEST ADDN	LS	400	-	-
	TOTAL		400		

B. MAJOR PLANNED NEXT THREE YEARS:

165.10	DIKES	LS	3,000
213.70	FAIRING ALIGNMENT FAC	LS	600
750.30	OUTDOOR POOL & BATH HSE	LS	1,210
721.11	BACHELOR ENLISTED QUARTERS	LS	5,720

10. MISSION OR MAJOR FUNCTIONS:

Provide facilities for refit of POSEIDON and TRIDENT submarines and TRIDENT II (D-5) missile production.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**
2. DATE	

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	721.11	P-418	7,230

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	73,000	70.00	5,110
SUPPORTING FACILITIES	-	-	-	1,390
UTILITIES	LS	-	-	(890)
PAVING AND SITE IMPROVEMENT	LS	-	-	(500)
SUBTOTAL	-	-	-	6,500
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST	-	-	-	6,830
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	400
TOTAL REQUEST	-	-	-	7,230
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel-frame dormitory buildings, concrete foundation and floors, masonry walls, composition roof, fire protection system, air conditioning, utilities; 96 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment.

Grade Mix: 160 E1-E4 100 E5-E6 6 E7-E9 Total: 266

11. REQUIREMENT: 2,256 PN ADEQUATE: 1,172 PN SUBSTANDARD: 0 PN

PROJECT:

Provides adequate billeting for bachelor enlisted personnel. (New mission)

REQUIREMENT:

Adequate housing for bachelor enlisted personnel in grades E1-E9. This is the eighth of nine projects programmed to satisfy the deficiency at Kings Bay.

CURRENT SITUATION:

Existing or under construction bachelor enlisted quarters are adequate to accommodate berthing requirements only through 1990. These and follow-on projects have been programmed to match the rate of population build-up at Kings Bay.

IMPACT IF NOT PROVIDED:

Insufficient adequate billeting space will be available to house the bachelor enlisted personnel assigned to Kings Bay. Given the isolation of the region, reasonably priced, suitable rental housing is not abundant on the private economy.

(CONTINUED ON DD 1391C)

DD FORM 1391
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE

BACHELOR ENLISTED QUARTERS

5. PROJECT NUMBER

P-418

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(155)
(B) ALL OTHER DESIGN COSTS	(65)
(C) TOTAL	220
(D) CONTRACT	(65)
(E) IN-HOUSE	(155)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE EXPLOSIVES HANDLING WHARF

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	152.10	P-364	56,615

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
EXPLOSIVES HANDLING WHARF	LS	-	-	38,120
WHARF AND APPROACH RAMPS	LS	-	-	(16,050)
IN-HAUL WHARF	LS	-	-	(860)
SUPPORT BUILDING	SF	17,400	115.00	(2,000)
SLIP COVER	LS	-	-	(14,300)
BUILT-IN EQUIPMENT (CRANES, BOOMS)	LS	-	-	(4,910)
SUPPORTING FACILITIES	-	-	-	12,790
UTILITIES	LS	-	-	(6,710)
PAVING AND SITE IMPROVEMENT, DREDGING	LS	-	-	(3,770)
DEMOLITION	LS	-	-	(2,310)
SUBTOTAL	-	-	-	50,910
CONTINGENCY (5%)	-	-	-	2,550
TOTAL CONTRACT COST	-	-	-	53,460
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	3,155
TOTAL REQUEST	-	-	-	56,615
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

660-feet long reinforced concrete wharf, pilings, slip cover, two 120-ton bridge cranes and two power utility booms; reinforced concrete in-haul wharf; in-haul system, two-story masonry and concrete building, built-up roof; electrical substation, lightning protection system, fire protection system, air conditioning, utilities; demolition of a portion of the marginal wharf.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides a covered explosives handling wharf. (New mission.)

REQUIREMENT:

Adequate all-weather wharf facilities are essential for berthing OHIO Class submarines during missile loading and off-loading and during special operations. In addition to missiles, these activities include loading and off-loading torpedoes, defensive weapon systems, missile guidance systems, launcher gas generators, and miscellaneous inert components.

CURRENT SITUATION:

Two TRIDENT II explosive handling facilities are required to support a squadron of OHIO Class submarines. One explosive handling wharf is available.

IMPACT IF NOT PROVIDED:

Capability will not be available to service the full squadron of OHIO Class submarines with TRIDENT II missiles. Refit cycles would overlap and be increased in duration, resulting in a decrease of patrol time at sea.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE EXPLOSIVES HANDLING WHARF		5. PROJECT NUMBER P-364

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	05-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(1,225)
(B) ALL OTHER DESIGN COSTS	(410)
(C) TOTAL	1,635
(D) CONTRACT	(1,525)
(E) IN-HOUSE	(110)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE TRIDENT TRAINING FACILITY ADDITIONS

5. PROGRAM ELEMENT 0101228N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-414	8. PROJECT COST ($000) 2,210

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRIDENT TRAINING FACILITY ADDITIONS	SF	13,600	114.00	1,550
SUPPORTING FACILITIES	-	-	-	440
UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(240)
SUBTOTAL	-	-	-	1,990
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	2,090
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	120
TOTAL REQUEST	-	-	-	2,210
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Single-story concrete and steel frame building additions, concrete foundations and floors with raised decking, metal panel and masonry walls, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 534,600 SF ADEQUATE: 521,000 SF SUBSTANDARD: 0 SF

PROJECT:

Provides two additions to the TRIDENT Training Facility. (New mission.)

REQUIREMENT:

Adequate facilities to train replacement crews and maintain proficiency of off-patrol crews of Atlantic Fleet TRIDENT II submarines.

CURRENT SITUATION:

There is no space in the existing TRIDENT Training Facility to accomplish the required expanded training for the Atlantic Fleet TRIDENT II submarine crews.

IMPACT IF NOT PROVIDED:

The existing overcrowded conditions will adversely affect the quality of training for submarine personnel.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS:

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE TRIDENT TRAINING FACILITY ADDITIONS		5. PROJECT NUMBER P-414

12. SUPPLEMENTAL DATA: (CONTINUED)
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(105)
(B) ALL OTHER DESIGN COSTS	(55)
(C) TOTAL.	160
(D) CONTRACT	(135)
(E) IN-HOUSE	(25)
(4) CONSTRUCTION START.	12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	COMMANDANT OF THE MARINE CORPS	1.44

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	60	506	436	0	0	0	712	8204	1852	11770
b. END FY 1995	81	507	369	0	0	0	744	8466	1819	11986

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (33,919)	
b. INVENTORY TOTAL AS OF 30 SEP 89	196,480
c. AUTHORIZATION NOT YET IN INVENTORY	91,770
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,650
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	31,900
f. PLANNED IN NEXT THREE PROGRAM YEARS	26,590
g. REMAINING DEFICIENCY	56,620
h. **GRAND TOTAL**	405,010

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116.15	AIRCRAFT RINSE FACILITY	LS	1,650	05/88	06/89
	TOTAL		1,650		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92):				
211.21	A/C ENGINE MAINT SHOP	29,000 SF	5,100	-	-
113.40	AIRFIELD PVMNT IMPV PH IV	LS	11,000	-	-
740.74	CHILD DEVELOPMENT CENTER	22,000 SF	3,700	-	-
722.10	MESS HALL	42,800 SF	12,100	-	-
	TOTAL		31,900		
	B. MAJOR PLANNED NEXT THREE YEARS:				
113.40	AIRFLD PAVE IMPV (PH V)	LS	11,000		

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and material to support operations of a Marine Brigade, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	5,270
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	4. PROJECT TITLE AIRCRAFT RINSE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	116.15	P-541	1,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT RINSE FACILITY	LS	-	-	450
SUPPORTING FACILITIES	-	-	-	1,030
ELECTRICAL UTILITIES	LS	-	-	(220)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(610)
SUBTOTAL	-	-	-	1,480
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,550
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	100
TOTAL REQUEST	-	-	-	1,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Unattended taxi-through treadle-operated freshwater deluge aircraft rinse system, sprinkler system, rinse pad, rinse water holding tank, oil water separator, taxiways, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs an automatic aircraft rinse facility to remove salt and other water-soluble corrosive contaminants from fixed-wing aircraft, specifically the F/A-18A aircraft. (Current mission.)

REQUIREMENT:

Adequate aircraft rinse facilities to remove contaminants from aircraft after low-level operations over saltwater and in a corrosive operational atmosphere. Kaneohe Bay is surrounded on three sides by bodies of saltwater. The salt-laden atmosphere sustains and accelerates corrosion of vital aircraft parts. Rinsing of aircraft after each operation will retard the effects of the corrosive atmosphere.

CURRENT SITUATION:

The activity does not have an aircraft rinse facility. Aircraft must be towed one-half mile to and from a washrack. Present aircraft assignment is 39 fixed-wing and 36 helicopters.

IMPACT IF NOT PROVIDED:

Absence of aircraft rinsing facilities will unnecessarily subject fixed-wing aircraft to corrosive contaminants and the inefficient labor intensive washing procedures will continue indefinitely.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII

4. PROJECT TITLE AIRCRAFT RINSE FACILITY	5. PROJECT NUMBER P-541

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 05-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 100
(C) DATE DESIGN 35% COMPLETE 08-88
(D) DATE DESIGN COMPLETE 06-89

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (90)
(B) ALL OTHER DESIGN COSTS . . . . (50)
(C) TOTAL 140
(D) CONTRACT . . . . (110)
(E) IN-HOUSE . . . . (30)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL MAGAZINE, LUALUALEI, HAWAII	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR COST INDEX 1.39

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	14	168	70	0	0	0	0	0	0	252
b. END FY 1995	14	185	70	0	0	0	0	0	0	269

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(12,142)	
b. INVENTORY TOTAL AS OF 30 SEP 89		104,690
c. AUTHORIZATION NOT YET IN INVENTORY		13,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,660
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,500
g. REMAINING DEFICIENCY		44,200
h. **GRAND TOTAL**		167,670

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	ELECTR DIST LINES RELOC	LS	1,660	11/88	06/90
	TOTAL		1,660		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

421.72	MISSILE MAGAZINE(SEALANCE)	5,370 SF	2,350
212.30	MSL TEST CELL ADDITION	LS	1,150

10. MISSION OR MAJOR FUNCTIONS:
Receives, transships, maintains, stores and issues ammunition, missiles and explosive ordnance for the military services in Hawaii and the Pacific Ocean area.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	1,840
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION NAVAL MAGAZINE, LUALUALEI, HAWAII	4. PROJECT TITLE ELECTRICAL DISTRIBUTION LINES RELOCATION

5. PROGRAM ELEMENT 0204996N	6. CATEGORY CODE 812.30	7. PROJECT NUMBER P-117	8. PROJECT COST ($000) 1,660

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION LINES RELOCATION . . .	LS	-	-	1,490
SUBTOTAL	-	-	-	1,490
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,570
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	90
TOTAL REQUEST	-	-	-	1,660
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Re-route overhead electrical distribution lines, poles, and underground service laterals.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Relocate electrical distribution lines. (Current mission.)

REQUIREMENT:

Naval Magazine Waikele Branch utilizes 120 tunnel magazines to store explosives. The naval ordnance manual requires that overhead electric power lines be located no closer than 50 feet to buildings containing explosives and pole spacing be such that no portion of the lines can fall on explosive containing buildings in the event of a line break. Electrical service drops to magazines shall be underground for the last 50 feet.

CURRENT SITUATION:

The existing overhead electrical distribution lines are strung over the magazines. The electrical service drops to the magazines are also overhead. An electrical line break can cause the line to fall on the magazine structure. The overhead service and the distribution line, because of their location, are in violation of safety code requirements.

IMPACT IF NOT PROVIDED:

Waiver to use tunnel magazines must continue to be maintained, and the hazards of the overhead electric power lines in the close vicinity will continue. The occurrence of an explosion is a constant threat to life and property.

(CONTINUED ON DD 1391C)

INTENTIONAL
BLANK

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL MAGAZINE, LUALUALEI, HAWAII

4. PROJECT TITLE

ELECTRICAL DISTRIBUTION LINES RELOCATION

5. PROJECT NUMBER

P-117

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 11-86
(B) PERCENT COMPLETE AS OF JANUARY 1990. 50
(C) DATE DESIGN 35% COMPLETE 10-89
(D) DATE DESIGN COMPLETE 06-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (0)
(B) ALL OTHER DESIGN COSTS . . . . (70)
(C) TOTAL. 70
(D) CONTRACT . . . . (0)
(E) IN-HOUSE . . . . (70)

(4) CONSTRUCTION START. . . . . 02-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 **MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR COST INDEX 1.39

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	30	145	20	0	0	0	0	21	0	216
b. END FY 1995	35	159	20	0	0	0	0	21	0	235

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NS	
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY		1,280
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		12,780
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		17,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,500
g. REMAINING DEFICIENCY		2,250
h. **GRAND TOTAL**		37,310

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
217.10	SURTASS SUPPORT CENTER	86,600 SF	12,780	11/88	09/90
	TOTAL		12,780		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

151.20	BERTHING PIER	1,300 FB	17,500	-	-
	TOTAL		17,500		

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	OCEANOGRAPHIC SYS HDQS MOD	LS	3,500

10. MISSION OR MAJOR FUNCTIONS:

Conducts oceanographic observations to provide extensive information on conditions in the Pacific Area.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**
2. DATE	

3. INSTALLATION AND LOCATION COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC. PEARL HARBOR, HAWAII	4. PROJECT TITLE SURTASS SUPPORT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204311N	217.10	P-417	12,780

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURTASS SUPPORT CENTER	SF	86,600	-	9,640
BUILDING	SF	86,600	109.00	(9,440)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	1,790
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(260)
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,070)
SUBTOTAL	-	-	-	11,430
CONTINGENCY (5%)	-	-	-	570
TOTAL CONTRACT COST.	-	-	-	12,000
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	780
TOTAL REQUEST.	-	-	-	12,780
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Pre-engineered metal frame building, pile foundation, concrete floor, metal roofing and siding, fire protection system, provisions for security alarm system, ventilation and air conditioning, utilities, security fencing and lighting, storage tanks.

11. REQUIREMENT: 86,600 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs Surveillance Towed Array Sensor System (SURTASS) support center on Ford Island. (New mission.)

REQUIREMENT:

Adequate facilities to support fourteen SURTASS ships deployed in the Pacific area by 1993. These ships require servicing through support facilities sufficient to house the maintenance equipment, repair shops, logistic supply storage, and administrative office space for 178 personnel. Laydown area for servicing arrays is also necessary.

CURRENT SITUATION:

The existing facility was originally sited, designed and constructed to support Pacific Ocean surveillance operations for a fleet of six mono-hulled T-AGOS class ships. Additional real estate is not available at existing site to accommodate additional ships.

IMPACT IF NOT PROVIDED:

Adequate facilities will not be available to support and maintain the SURTASS Program. If the ships and systems cannot be maintained the required operating tempo and level of ocean surveillance will not be met.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII		
4. PROJECT TITLE SURTASS SUPPORT CENTER		5. PROJECT NUMBER P-417

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 11-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 55
(C) DATE DESIGN 35% COMPLETE 06-89
(D) DATE DESIGN COMPLETE 09-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (455)
(B) ALL OTHER DESIGN COSTS . . . . (230)
(C) TOTAL 685
(D) CONTRACT . . . . (180)
(E) IN-HOUSE . . . . (505)

(4) CONSTRUCTION START . . . . 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE,
PEARL HARBOR, HAWAII

4. COMMAND

COMMANDER IN CHIEF,
PACIFIC FLEET

5. AREA CONSTR COST INDEX

1.39

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	440	4169	237	32	238	0	21	82	0	5219
b. END FY 1995	476	4708	237	47	324	0	21	82	0	5895

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (123)	
b. INVENTORY TOTAL AS OF 30 SEP 89	76,780
c. AUTHORIZATION NOT YET IN INVENTORY	42,660
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,010
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	55,415
f. PLANNED IN NEXT THREE PROGRAM YEARS	85,780
g. REMAINING DEFICIENCY	33,520
h. **GRAND TOTAL**	296,165

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	ELEC DIST SYS IMPROVES	LS	2,010	11/88	07/90
	TOTAL		2,010		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

152.20	BERTHING WHARVES	74,120	SF	25,000	-	-
812.40	SECURITY LIGHTING	10,200	LF	415	-	-
213.30	SIMA	LS		30,000	-	-
	TOTAL			55,415		

B. MAJOR PLANNED NEXT THREE YEARS:

152.20	GENL PURP/BERTHING WHARF	33,600	SF	17,500
219.10	MAINTENANCE SHOPS & STRG	13,670	SF	2,300

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate shore facilities for training and experimental operations of the submarine forces; provide logistic support to submarines. Services the Commander, Submarine Forces, US Pacific Fleet and two submarine attack squadrons.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	230
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM
	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE. PEARL HARBOR, HAWAII	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	812.30	P-114	2.010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS	LS	-	-	1,800
DISTRIBUTION LINES	LS	-	-	(590)
SUBSTATION	KV	5,500	185.00	(1,020)
SUBSTATION BUILDING	SF	590	152.00	(90)
CABLE BOOM	LS	-	-	(100)
SUBTOTAL	-	-	-	1,800
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,890
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	120
TOTAL REQUEST	-	-	-	2,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

12 KV electrical feeder lines, transformer substation additions and transformers, primary switchgear, secondary distribution switchboards, feeder lines, shorepower outlets, cable booms.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Upgrades shore power to berthing wharfs. (Current mission.)

REQUIREMENT:

Sufficient reliable electric power to support testing, repair and maintenance of modern submarines. More repair and intermediate maintenance work will be performed on submarines to extend overhaul intervals. The shore power system must be upgraded to ensure the readiness sustainability of the submarine fleet.

CURRENT SITUATION:

Submarine Berths S10, S11, and S21A are inadequate to service modern submarines. Berth S8 has sufficient capacity to support special testing, however, testing is limited to one submarine at a time. Scheduling of tests is dependent on the availability of berthing at S8 and is often delayed because several submarines may have to be moved and re-berthed. The lack of adequate shore power limits the amount of preparation and minor repair work which can be performed at the Berth

IMPACT IF NOT PROVIDED:

The lack of adequate shore power will delay submarine testing, repair and maintenance schedules, impacting on maintenance efficiency and operational readiness of the fleet.

(CONTINUED ON DD 1391C)

DD FORM 1391
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII

4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS	5. PROJECT NUMBER P-114

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
- (A) DATE DESIGN STARTED. 11-88
- (B) PERCENT COMPLETE AS OF JANUARY 1990. 50
- (C) DATE DESIGN 35% COMPLETE 10-89
- (D) DATE DESIGN COMPLETE 07-90

(2) BASIS:
- (A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
- (B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
- (A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (70)
- (B) ALL OTHER DESIGN COSTS . . . . (25)
- (C) TOTAL. 95
- (D) CONTRACT . . . . (10)
- (E) IN-HOUSE . . . . (85)

(4) CONSTRUCTION START. 04-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT		2. DATE
NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII	NAVAL FACILITIES ENGINEERING COMMAND	1.39

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	14	1	1326	0	0	0	2	0	0	1343
b. END FY 1995	13	0	1326	0	0	0	2	0	0	1341

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,076)	
b. INVENTORY TOTAL AS OF 30 SEP 89		270,960
c. AUTHORIZATION NOT YET IN INVENTORY		36,900
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,940
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		11,320
f. PLANNED IN NEXT THREE PROGRAM YEARS		15,000
g. REMAINING DEFICIENCY		20,350
h. **GRAND TOTAL**		361,470

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214.20	AUTO VEHICLE MAINT SHOP	30,810 SF	6,940	04/89	09/90
	TOTAL		6,940		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

811.59	EMERGENCY GENERATOR SYSTEM	LS	1,500	-	-
218.20	PW SHOP FIRE PROTECTION	LS	500	-	-
813.30	SCADA SYSTEM	LS	2,950	-	-
812.30	UTILITY SYSTEMS IMPROVS	LS	6,370	-	-
	TOTAL		11,320		

B. MAJOR PLANNED NEXT THREE YEARS:

812.30	ELEC DISTR SYSTEM IMPVS	679 EA	2,000

10. MISSION OR MAJOR FUNCTIONS:

Provide public works, public utilities, housing, engineering services, shore facilities planning support, and all other public works logistics support incident thereto, required by the operating forces, dependent activities, and other commands located in the vicinity of the Pearl Harbor Naval Complex.

Naval Shipyard
Naval Air Station, Barbers Point
Marine Barracks
Naval Magazine, Lualualei
Naval Submarine Base
Naval Station
Naval Supply Center
Family Housing Areas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	13,840
B: INSTALLATION RESTORATION	10,180
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	1,100

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 **MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII	4. PROJECT TITLE AUTOMOTIVE VEHICLE MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	214.20	P-504	6,940

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AUTOMOTIVE VEHICLE MAINTENANCE SHOP	SF	30,810	-	3,550
REPAIR AND MAINTENANCE SHOPS	SF	20,640	134.00	(2,770)
VEHICLE AND EQUIPMENT HOLDING SHED	SF	10,170	59.00	(600)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES	-	-	-	2,660
ELECTRICAL UTILITIES	LS	-	-	(110)
MEHCANICAL UTILITIES	LS	-	-	(270)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,690)
DEMOLITION AND REMOVAL	LS	-	-	(590)
SUBTOTAL	-	-	-	6,210
CONTINGENCY (5%)	-	-	-	310
TOTAL CONTRACT COST	-	-	-	6,520
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	420
TOTAL REQUEST	-	-	-	6,940
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story high-bay steel frame metal buildings, concrete foundations and floors, weight handling equipment, hydraulic lifts, exhaust system, compressed air system, paint spray booth, wash rack, lubrication system, fire protection system, air conditioning, utilities; demolition of five buildings; removal of four underground tanks; relocate one tank.

11. REQUIREMENT: 38,810 SF ADEQUATE: 8,000 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs automotive vehicle and construction and weight handling equipment maintenance shops, supporting administrative space, vehicle and equipment holding shed. (Current mission.)

REQUIREMENT:

Adequate and properly-configured transportation maintenance facilities for efficient work areas, inspection, maintenance and repair of all transportation, construction and weight handling equipment assigned to Pearl Harbor Naval Base.

CURRENT SITUATION:

The transportation maintenance division is currently housed in six wood-frame buildings constructed during World War II. These buildings are functionally inadequate because of age, improper layout, and the lack of modern equipment and fire deterrent systems. All of the buildings are badly deteriorated and termite damaged. The automotive service shop is undersized and lacks necessary hydraulic lifts, underground exhaust systems, overhead bridge cranes to handle the heavier construction equipment items, and other modern built-in equipment. There is no separate area for the construction and weight handling equipment shop or holding shed.

IMPACT IF NOT PROVIDED:

Productivity of the transportation department will continue to be restricted by inadequate facilities and lack of built-in equipment resulting in higher costs and less than optimum service to the fleet and supported customers in Pearl Harbor.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII		
4. PROJECT TITLE AUTOMOTIVE VEHICLE MAINTENANCE SHOP		5. PROJECT NUMBER P-504

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(370)
(B) ALL OTHER DESIGN COSTS	(280)
(C) TOTAL	650
(D) CONTRACT	(600)
(E) IN-HOUSE	(50)

(4) CONSTRUCTION START 02-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT		2. DATE
NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
NAVAL TRAINING CENTER. GREAT LAKES, ILLINOIS	CHIEF OF NAVAL EDUCATION AND TRAINING	1.06

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	354	2680	1585	173	17453	0	0	269	0	22514
b. END FY 1995	370	2680	1585	230	16828	0	0	269	0	21962

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(998)
b. INVENTORY TOTAL AS OF 30 SEP 89	203,780
c. AUTHORIZATION NOT YET IN INVENTORY	37,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,170
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,750
f. PLANNED IN NEXT THREE PROGRAM YEARS	43,865
g. REMAINING DEFICIENCY	39,800
h. **GRAND TOTAL**	331,915

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	FIREMAN APPRENTICE TRG SCH	18,000 SF	2,170	04/89	07/90
	TOTAL		2,170		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

722.10	MESS HALL MODERNIZATION	104,200 SF	4,750	-	-
	TOTAL		4,750		

B. MAJOR PLANNED NEXT THREE YEARS:

721.14	BARRACKS	118,000 SF	13,220
171.35	DIESEL/GAS TURBINE SCH	23,900 SF	3,400
730.10	FIRE STATION	7,300 SF	1,100
171.60	RECRT PROCESSING BLDG	76,510 SF	9,800

10. MISSION OR MAJOR FUNCTIONS:

Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	5,680
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS	4. PROJECT TITLE FIREMAN APPRENTICE TRAINING SCHOOL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.20	P-471	2,170

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIREMAN APPRENTICE TRAINING SCHOOL	SF	18,000	79.00	1,420
SUPPORTING FACILITIES	-	-	-	530
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(80)
DEMOLITION	LS	-	-	(100)
SUBTOTAL	-	-	-	1,950
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	2,050
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	120
TOTAL REQUEST	-	-	-	2,170
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, masonry walls, concrete foundation and floors, built-up roofing on metal roof deck, fire protection sprinkler system, utilities, air conditioning; demolition of one building.

11. REQUIREMENT: 18,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an instruction building for training Fireman Apprentices. The facility will contain classrooms, laboratories, fire-room and engine-room training spaces. (Current mission.)

REQUIREMENT:

Adequate facilities for the Fireman Apprentice training program. A modern, properly configured training facility to accommodate approximately 5,000 students annually, an increase of about 1000. Firemen and Firemen Apprentices are sailors that operate and maintain ship propulsion systems. A knowledge of engine types, fuels, ignition systems, cooling systems, pumps, engine speed regulator and associated sub-systems is necessary to operate the steam, diesel, gas turbine, and nuclear-powered propulsion systems found on Navy vessels. The Fireman Apprentice Program is offered 26 times per year and lasts 20 days. The average number of students in each session is 145. The major mission of NTC Great Lakes is recruit indoctrination and advanced training of various Navy ratings. In recent years, there has been a gradual shift in emphasis toward the more advanced types of training. This shift is necessary in order to adequately train sailors to maintain and operate advanced weapons, propulsion, electronic and computer systems. Advanced training requires facilities that are equipped with laboratories, engineering mock-ups, computer systems and smaller, more individualized classrooms. The old buildings are designed for recruit training which was for large-size class instruction and less "hands on" training.

CURRENT SITUATION:

The existing facility is a one-story wood frame building constructed in 1943 as an armory. An engineering analysis determined the building is

(CONTINUED ON DD 1391C)

DD FORM 1391
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS

4. PROJECT TITLE FIREMAN APPRENTICE TRAINING SCHOOL	5. PROJECT NUMBER P-471

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
approaching the end of its structural life. It is not properly configured to function as a vocational school. It is presently being used both as Fireman and Seaman school. The present building does not provide sufficient classroom space and the trainees must go to another building for some of the training. The building has required expensive repairs over the years and still is difficult to heat and marginal as a training facility. The building has wooden trusses supporting the wood roof. The lighting is poor and heating systems are inadequate.

IMPACT IF NOT PROVIDED:
Fireman training will continue to be taught in a deteriorated building not designed for advanced training purposes. The quality of instruction will suffer, adversely affecting the ability of the Firemen to learn all that is required to adequately and safely operate the propulsion systems of Navy ships.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA. (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(140)
(B) ALL OTHER DESIGN COSTS	(125)
(C) TOTAL	265
(D) CONTRACT	(230)
(E) IN-HOUSE	(35)

(4) CONSTRUCTION START. . . . . . 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILLINOIS	4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND	5. AREA CONSTR COST INDEX 1.06

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	12	0	634	0	0	0	0	0	0	646
b. END FY 1995	13	0	634	0	0	0	0	0	0	647

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(590)
b. INVENTORY TOTAL AS OF 30 SEP 89	94,160
c. AUTHORIZATION NOT YET IN INVENTORY	1,930
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,460
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	9,520
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	55,360
h. **GRAND TOTAL**	163,430

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	ELECT DISTR SYSTEM IMPROVS	LS	1,760	03/89	08/90
871.10	STORM SEWER SYSTEM IMPRVS	LS	700	10/89	08/90
	TOTAL		2,460		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

610.10	FACILITY MAINT CENTER	49,310 SF	3,450	-	-
832.10	SANITARY SEWER UPGRADE	440 MG	6,070	-	-
	TOTAL		9,520		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support and all other logistic support of a public works nature incident thereto, required by the operating forces, dependent activities, and other commands served by the center, including the Naval Training Center, Naval Regional Medical Center, Military Enlistment and Procurement Command, Headquarters, and Department of Defense Housing.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	6,250
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	2. DATE

FY 1991 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILLINOIS	4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	812.30	P-538	1,760

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS. .	LS	-	-	1,580
SUBTOTAL	-	-	-	1,580
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,660
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,760
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Separation of high and low voltage cables, concrete manholes, fiber ducts in concrete envelope, direct burial conduit.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides a network of concrete manholes connected by fiber ducts in concrete conduits. (Current mission.)

REQUIREMENT:
Separation of high and low voltage electric power cables to correct code violations. Portions of the electrical distribution system are in violation of the National Electric Code and the Institute of Electrical and Electronics Engineers Standards.

CURRENT SITUATION:
Some low voltage cables such as telephone, television, fire alarm, street lighting, and secondary feeders are in the same manholes as the medium voltage cables. This code violation presents a safety hazard for maintenance personnel entering the manholes and a potential problem of medium voltage feedback through the low voltage cables.

IMPACT IF NOT PROVIDED:
Continual safety hazards and code violations.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED.	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	5%
(C) DATE DESIGN 35% COMPLETE	07-89

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILLINOIS		
4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS		5. PROJECT NUMBER P-538

12. SUPPLEMENTAL DATA: (CONTINUED)

(D) DATE DESIGN COMPLETE 08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(55)
(B) ALL OTHER DESIGN COSTS	(50)
(C) TOTAL	105
(D) CONTRACT	(90)
(E) IN-HOUSE	(15)

(4) CONSTRUCTION START . . . . 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5 AREA CONSTR COST INDEX 1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	38	198	3951	0	0	0	0	0	0	4187
b. END FY 1995	35	192	3951	0	0	0	0	0	0	4178

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(62,509)
b. INVENTORY TOTAL AS OF 30 SEP 89	139,120
c. AUTHORIZATION NOT YET IN INVENTORY	19,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	13,520
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,250
f. PLANNED IN NEXT THREE PROGRAM YEARS	8,100
g. REMAINING DEFICIENCY	14,010
h. GRAND TOTAL	196,190

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	COMPLETE
217.10	ELECS COMMS MAINT SHOP	35,000	SF	7,700	06/89	05/90
441.10	MECHANIZED MTRLS MGMT FAC	80,000	SF	4,170	07/89	10/90
216.60	TEST & EVALUATION FAC	2,930	SF	1,650	04/90	10/90
	TOTAL			13,520		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

421.72	MISSILE MAGAZINE ALT	80,340	SF	1,700	07/88	06/89
219.10	PEST CONTROL SHOP	LS		550	-	-
	TOTAL			2,250		

B. MAJOR PLANNED NEXT THREE YEARS:

217.10	MICROWAVE COMPONENTS	LS		5,900
212.10	MISSILE MAINTENANCE FAC	17,040	SF	2,200

10. MISSION OR MAJOR FUNCTIONS:

Provide material, technical and logistics support for ships and equipment, shipboard weapons systems and assigned expendable and nonexpendable ordnance items, including small arms, fire control, anti-submarine warfare, pyrotechnics, electronic warfare, fleet ballistic missile systems, electronic components such as batteries, microwave tubes, missile components, and rotating components (gyros), conventional ammunition, gun systems, and missiles.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	57,730
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	550

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	4. PROJECT TITLE ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP

5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 217.10	7. PROJECT NUMBER P-224	8. PROJECT COST ($000) 7,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP	SF	35,000	-	5,100
BUILDING	SF	35,000	69.00	(2,420)
BUILT-IN EQUIPMENT	LS	-	-	(2,680)
SUPPORTING FACILITIES	-	-	-	1,810
UTILITIES	LS	-	-	(1,540)
PAVING AND SITE IMPROVEMENT	LS	-	-	(270)
SUBTOTAL	-	-	-	6,910
CONTINGENCY (5%)	-	-	-	350
TOTAL CONTRACT COST	-	-	-	7,260
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	440
TOTAL REQUEST	-	-	-	7,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete floor and foundation, single-ply roof with composite decking, concrete spill containment berms, plating waste collection and treatment system; fire protection system, ventilation, electric power substation, utilities; functional areas include sandblasting cells, paint booths, zinc, cadmium, stainless steel passivation, anodizing, and conversion coating process lines, surface preparation, post-treatment machining, drying room, temporary storage, waste treatment equipment control and monitoring room.

11. REQUIREMENT: 35,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs an electronic components finishing facility. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facility for periodically checking, overhauling and subsequent return to the fleet of electronic components for various weapon and guidance systems. Electronic items are tested, inspected, and disassembled; component surfaces are sandblasted, degreased, or cleaned in solvent; and then plated, painted, or finish coated as required. The primary program which this facility will support is the AN/ALQ-99 electronic countermeasures weapons system. The refurbishment of the system is in direct support of the EA-6B program. The EA-6B carrier-based aircraft is the primary tactical jamming aircraft for the Navy and the Marine Corps. Its mission is to provide electronic cover for fighter and bomber squadrons operating in hostile environments. The AN/ALQ-99 is the heart of the electronic countermeasures system of the aircraft and provides active jamming against threats such as early warning systems, tracking radars, search and surveillance radars, fire control systems, and missile guidance systems. Because of the adverse marine environment in which these electronic systems are exposed, the transmitters, exciters, receivers, jammers, and other electronic components must undergo a rigorous corrosion control and refurbishment

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA

4. PROJECT TITLE
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP

5. PROJECT NUMBER
P-224

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)
program at the station. The proposed facility is vital to the final phases of preparing the electronic items for fleet return or production suitability. This project will allow consolidation, upgrading and expansion of inadequate painting, coating and corrosion control facilities now in use.

CURRENT SITUATION:
The number of electronic component line items produced annually by the activity will increase from 7,700 units currently to over 18,000 units by the early 1990's. This does not include the refurbishment effort of the hardback pods which house the electronic components and are mounted on the EA-6B wings. This refurbishment effort has doubled in recent years because of the procurement of new EA-6B aircraft. The EA-6B aircraft contain a minimum of three AN/ALQ-99 hardback pods which cost $1.2 million each. The present space will not be capable of handling the plating, painting and surface preparation processes required to support the growing work load.

IMPACT IF NOT PROVIDED:
The activity will be unable to satisfy projected fleet demands for electronic items that are vital components in Navy weapons systems. Without corrosion control, the fleet's limited electronic component assets will deteriorate quickly in a marine environment making them less reliable with shorter life expectancy and more costly to maintain.

ADDITIONAL:
Savings generated by this facility will result in an economic payback of less than two years.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 40
(C) DATE DESIGN 35% COMPLETE 11-89
(D) DATE DESIGN COMPLETE 05-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (205)
(B) ALL OTHER DESIGN COSTS . . . . (85)
(C) TOTAL 290
(D) CONTRACT . . . . (250)
(E) IN-HOUSE . . . . (40)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT		2. DATE
NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	MECHANIZED MATERIALS MANAGEMENT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	441.10	P-244	4,170

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MECHANIZED MATERIALS MANAGEMENT FACILITY	SF	80,000	-	2,870
GENERAL WAREHOUSE	SF	80,000	23.00	(1,840)
BUILT-IN EQUIPMENT	LS	-	-	(1,030)
SUPPORTING FACILITIES	-	-	-	870
UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(640)
DEMOLITION	LS	-	-	(150)
SUBTOTAL	-	-	-	3,740
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST	-	-	-	3,930
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	240
TOTAL REQUEST	-	-	-	4,170
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(1,330)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Convert high-bay reinforced concrete warehouse to multi-level mechanized warehouse, install super-flat floor topping; provide reinforced concrete second floor, air conditioning inspection and testing areas; loading docks, paving, mechanical room; cranes; sprinkler fire protection system; fire pumps and suction tank; ventilation, utilities; demolition of 27 structures and railroad trackage.

11. REQUIREMENT: 80,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Converts warehouse to an automated materials management facility. Functional areas include high-rise/high density mechanized warehouse; loading and staging, shipping and receiving, preservation and packaging areas. (Current mission.)

REQUIREMENT:

Adequate and properly-configured warehouse facilities for the receipt, issue, tracking, preservation, packaging, storage and shipping of advanced electronic components. These components will include AEGIS microwave tubes, electronic countermeasure systems, and electrochemical power systems such as lithium batteries. High demand items are received at a central supply building by commercial carrier and unloaded. These items are consolidated, repackaged and transferred to Weapons Center operational sites where they are tested and certified as acceptable then returned to the central supply system and made ready for distribution to the Fleet. Over 3,000 deliveries are made monthly to various on-base operational sites. These deliveries travel as far as 6.5 miles to the operational sites. Deliveries result in over 10,000 miles per month of on-base transfers. About 85% of these deliveries are within a mile of the central supply warehouse. A new centralized automated materials management facility will reduce distance traveled by 27% and eliminate multi-handling of material. This will lead to improved productivity and reduce the number of items damaged in shipment.

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA

4. PROJECT TITLE
MECHANIZED MATERIALS MANAGEMENT FACILITY

5. PROJECT NUMBER
P-244

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION:

All inert materials are received and shipped from the activity's central supply building which was constructed in 1943. This building is not structurally capable of accommodating automated materials handling equipment. Materials handling systems are needed to process the ever increasing numbers of electronic items now used in a modern Navy. For example, the number of AEGIS microwave tubes handled by Crane is expected to grow from the 4,600 processed in 1987 to 10,000 in 1996, supporting the increased number of AEGIS ships. Efficiency improvements from automation will permit accomplishment of the increasing workload and allow eventual attrition of 12 persons for a cost savings of $376,000 annually. Reliance on the present manual procedure for material movement and inventory control is time consuming and does not provide the means for rapidly making high-priority issues of essential electronic items and components.

IMPACT IF NOT PROVIDED:

Continuation of labor intensive supply operations in an era of declining personnel resources will result in further constrained responsiveness to fleet requirements. Present manual procedures for material movement and inventory control will continue to be performed in a less cost-effective manner.

ADDITIONAL:

An economic analysis indicates that the proposed project will generate savings that will result in a payback of less than one year. This amount results from improved operational efficiency, reduced personnel downtime, improved office efficiency, personnel reduction, transportation reduction, and reduced inventory damage. Economic analysis also indicates that conversion of an existing facility is more cost effective than constructing a new facility.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 119C, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	07-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(260)
(B) ALL OTHER DESIGN COSTS	(70)
(C) TOTAL	330
(D) CONTRACT	(300)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA		
4. PROJECT TITLE MECHANIZED MATERIALS MANAGEMENT FACILITY		5. PROJECT NUMBER P-244

12. SUPPLEMENTAL DATA: (CONTINUED)

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
STORAGE RACKS AND HARDWARE, GUIDED VEHICLES, SYSTEM SOFTWARE.	OPN	1991	1,330
		TOTAL	1,330

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	4. PROJECT TITLE TEST AND EVALUATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	216.60	P-225	1,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TEST & EVALUATION FACILITY	SF	2,930	-	880
BUILDING	SF	2,400	208.00	(500)
TEST CELL	SF	530	150.00	(80)
BUILT-IN EQUIPMENT	LS	-	-	(300)
SUPPORTING FACILITIES	-	-	-	610
ELECTRICAL UTILITIES	LS	-	-	(140)
MECHANICAL UTILITIES	LS	-	-	(320)
PAVING AND SITE IMPROVEMENT	LS	-	-	(150)
SUBTOTAL	-	-	-	1,490
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,570
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building, concrete foundation and floor, metal roof, spill containment berms, laboratory and test areas, explosive test cells, furnace control room, high pressure washout equipment; outdoor explosion containment test cell, concrete floor, sand-filled metal panel walls; fire protection system, ventilation, utilities

11. REQUIREMENT: 2,930 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs facilities for demilitarization of disposable ammunition, explosives, and other dangerous articles. (Current mission.)

REQUIREMENT:

Adequate and properly-configured test and evaluation facilities for development of safe and environmentally acceptable methodology, equipment, and facilities for demilitarization of disposable ammunition, explosives, and other dangerous articles. Disposal processes and facilities must comply with local and U.S. Environmental Protection Agency (EPA) standards before Navy items can be demilitarized. Recent environmental law changes have severely impacted Navy's demilitarization program.

CURRENT SITUATION:

The additional and more rigorous analyses required for processing hazardous wastes cannot be satisfied with present facilities and conditions.

IMPACT IF NOT PROVIDED:

Navy will be unable to comply with environmental regulations, jeopardizing the ability of processing activities to perform their mission.

ADDITIONAL:

An economic analysis has been prepared and indicates a payback of less than one year.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA

4. PROJECT TITLE TEST AND EVALUATION FACILITY	5. PROJECT NUMBER P-225

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	04-90
(B) PERCENT COMPLETE AS OF JANUARY 1990	0
(C) DATE DESIGN 35% COMPLETE	07-90
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(90)
(B) ALL OTHER DESIGN COSTS	(85)
(C) TOTAL	175
(D) CONTRACT	(145)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 08-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR COST INDEX .95

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	6	2	2328	0	0	0	0	0	0	2336
b. END FY 1995	7	3	2328	0	0	0	0	0	0	2338

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (152)	
b. INVENTORY TOTAL AS OF 30 SEP 89	24,900
c. AUTHORIZATION NOT YET IN INVENTORY	31,740
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,660
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	4,200
h. **GRAND TOTAL**	66,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
215.20	PHALANX SHOP MODERNIZATION	247,996 SF	5,660	08/89	06/90
	TOTAL		5,660		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

Designs, develops, produces, modifies and overhauls intermediate caliber guns, gun barrels, gun mounts, missile motor metal parts, components, spare parts, tools and accessories. The station provides engineering assistance to installing activities and fores afloat. Production engineering is developed and maintained in assigned areas.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	430
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY	4. PROJECT TITLE PHALANX SHOP MODERNIZATION

5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 215.20	7. PROJECT NUMBER P-215	8. PROJECT COST ($000) 5,660

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHALANX SHOP MODERNIZATION	SF	248,000	-	5,090
BUILDING MODERNIZATION	SF	248,000	15.00	(3,720)
BUILT-IN EQUIPMENT	LS	-	-	(810)
UTILITIES UPGRADE	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(250)
SUBTOTAL	-	-	-	5,090
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST	-	-	-	5,350
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	310
TOTAL REQUEST	-	-	-	5,660
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Modify building interior to accommodate additional production support and work areas; renovate and upgrade heating, ventilation, and air conditioning system, insulation, fire protection system; demolition of obsolete facilities.

11. REQUIREMENT: 248,000 SF ADEQUATE: 0 SF SUBSTANDARD: (248,000) SF

PROJECT:

Modernizes, upgrades, and internally expands facilities to support the Mark 15 PHALANX weapon system overhaul effort. (Current mission.)

REQUIREMENT:

Adequate and properly configured facilities to support and accommodate an increasing workload and PHALANX weapon system design change. The PHALANX is the Navy's first all weather automatic controlled gun system providing quick reaction and automatic defense against close-in air and surface sea-skimming cruise missile threats which penetrate the outer defense system.

CURRENT SITUATION:

Present facilities are inadequate in configuration, production and engineering support, modern equipment, and utilities.

IMPACT IF NOT PROVIDED:

Production will continue to be hampered. PHALANX program will continue to operation inefficiently, which ultimately will cause delays in scheduled deliveries to the fleet.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY

4. PROJECT TITLE

PHALANX SHOP MODERNIZATION

5. PROJECT NUMBER

P-215

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	08-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES__ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(300)
(B) ALL OTHER DESIGN COSTS	(150)
(C) TOTAL	450
(D) CONTRACT	(400)
(E) IN-HOUSE	(50)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

PORTSMOUTH NAVAL SHIPYARD,
KITTERY, MAINE

4. COMMAND

NAVAL SEA SYSTEMS
COMMAND

5. AREA CONSTR COST INDEX

1.08

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	132	682	7844	0	0	0	321	25	0	9004
b. END FY 1995	104	310	7844	0	0	0	339	203	0	8800

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(297)	
b. INVENTORY TOTAL AS OF 30 SEP 89		164,310
c. AUTHORIZATION NOT YET IN INVENTORY		24.120
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		38.182
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		55.100
g. REMAINING DEFICIENCY		0
h. **GRAND TOTAL**		281,712

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.10	DRY DOCK MODERN & COVER	LS	38,182	09/89	12/90
	TOTAL		38.182		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

890.46	PIER UTILITY UPGRADE	950 LF	28.100
890.46	PIER UTILITY UPGRADE	0 LF	27.000

10. MISSION OR MAJOR FUNCTIONS:

Maintenance and overhaul of modern attack and Fleet Ballistic Missile submarines. Logistic support provided includes conversion, overhaul, repair, alterations, and drydocking of submarines. Support is also provided for submarine warfare weapon systems. The yard integrates requirements and manages the planning and engineering effort for overhauls of complex submarines.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	4. PROJECT TITLE DRY DOCK MODERNIZATION AND COVER

5. PROGRAM ELEMENT 0702228N	6. CATEGORY CODE 213.10	7. PROJECT NUMBER P-228	8. PROJECT COST ($000) 38,182

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DRY DOCK MODERNIZATION AND COVER	LS	-	-	32.400
BUILDING	LS	-	-	(5.400)
REMOVABLE COVER	LS	-	-	(13.500)
PERSONNEL MODULES	LS	-	-	(3.400)
UTILITY TUNNELS	LS	-	-	(8,200)
PLATFORM	LS	-	-	(1,100)
BUILT-IN EQUIPMENT	LS	-	-	(800)
SUPPORTING FACILITIES	-	-	-	1.900
UTILITIES	LS	-	-	(1,900)
SUBTOTAL	-	-	-	34.300
CONTINGENCY (5%)	-	-	-	1,720
TOTAL CONTRACT COST	-	-	-	36.020
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	2.162
TOTAL REQUEST	-	-	-	38.182
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete foundation, steel-frame multi-story building; removable cover with steel-frame support system. Reinforced concrete foundation; steel-frame personnel modules; reinforced concrete utility tunnels; reinforced concrete foundation, pre-stressed concrete frame platform; fire protection system, ventilation, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs removable submarine cover (RSC), weather protection, personnel modules, utility tunnels, and permanent overhaul services connections in and adjacent to Dry Dock 2, and a platform and building at the head of the dry dock for machinery, shops, storage, and administrative space. (New mission.)

REQUIREMENT:

Modernize Dry Dock 2 for long-term use in overhaul and repair of nuclear-powered submarines. Complete construction, including testing and set-up cycle of RSC modules, so a scheduled submarine overhaul can begin in October of 1992. Modernized dry dock to be capable of supporting overhauls of current attack submarine classes, plus the new SSN-21 class. Enclose hull of docked submarine in weather-protection to attain controlled work space conditions required for overhaul work, utility connections, hull treatment, access, sandblasting, and environmental compliance. Route utility lines from sources to service connection points along dry dock walls opposite submarine hull connections. Provide support space at dry dock for shops, tools, offices, and personnel comfort facilities including lunchrooms, lockers and showers. Improve productivity by centralizing work, shop, support, and personnel spaces directly at the dry dock under enclosed, weather-protected conditions.

CURRENT SITUATION:

Submarine overhauls are subject to delays caused by weather conditions. Ships in dry dock, workers, materials, and equipment are exposed to the elements, including severe, extended winter conditions. Modern

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE

4. PROJECT TITLE

DRY DOCK MODERNIZATION AND COVER

5. PROJECT NUMBER

P-228

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

submarines require controlled environmental conditions for certain external hull work performed during a segment of an overhaul spent in dry dock, such as sandblasting, and hull coating applications. Utilities are provided to the submarine by a series of temporary connections wherein conduits, hoses, and cables compete for space on the dry dock walls. Workers requiring technical information, tools, guidance, or basic amenities must leave the dry dock and walk to remote buildings, resulting in lost labor, materials, and efficiency.

IMPACT IF NOT PROVIDED:

Open dry dock operations will continue to affect production, employee morale, quality of work, and safety. Workers would need to leave the dry dock throughout the work day to receive technical guidance, consult with foremen or travel to parent shops. Utility services provided to the submarine would be laid on the ground adjoining the dry dock, causing safety hazards, service interruptions, and wasted time.

ADDITIONAL:

Industrial engineering and concept studies performed on the proposed project evaluated alternative technical solutions and concluded that the proposed RSC design and associated dry dock modernization work is feasible, economical, and will yield significant savings.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	09-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	12-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: ______________

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(1,200)
(B) ALL OTHER DESIGN COSTS	(510)
(C) TOTAL	1,710
(D) CONTRACT	(1,580)
(E) IN-HOUSE	(130)

(4) CONSTRUCTION START: 03-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND	4. COMMAND NAVAL MEDICAL COMMAND	5. AREA CONSTR COST INDEX 1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1332	2181	1620	703	414	0	254	306	0	6810
b. END FY 1995	1332	2181	1620	703	414	0	254	306	0	6810

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NNMC
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9.040
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11.320
f. PLANNED IN NEXT THREE PROGRAM YEARS	8.720
g. REMAINING DEFICIENCY	21.600
h. **GRAND TOTAL**	50.680

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.12	BACHELOR ENLISTED QUARTERS	101,600 SF	9,040	03/89	09/90
	TOTAL		9,040		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

724.11	BACHELOR OFFICER QUARTERS	104.275 SF	9.600	-	-
842.10	POTABLE LINE REPLACEMENT	LS	1,100	-	-
832.10	SEWAGE LINE REPLACEMENT	LS	620	-	-
	TOTAL		11,320		

B. MAJOR PLANNED NEXT THREE YEARS:

721.12	BEQ MODERNIZATION	LS	5.020
730.80	PARKING STRUCTURE	LS	3.700

10. MISSION OR MAJOR FUNCTIONS

Ensure assigned naval shore activities are provided resources to carry out their assigned missions; provide a comprehensive range of emergency, outpatient, patient, and inpatient health care services to active duty Navy and Marine Corps personnel and active duty members of other Federal Uniformed Services; direct the overall provision of comprehensive and quality health care services by all assigned activities; ensure all assigned military personnel are both aware of and properly trained for the performance of their assigned contingency and wartime duties; ensure the command and all assigned activities are maintained in a proper state of material and personnel readiness to fulfill their respective wartime and contingency mission plans; conduct graduate and postgraduate education programs for naval medical students and medical department officers.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 **MILITARY CONSTRUCTION PROGRAM**		2. DATE
3. INSTALLATION AND LOCATION NATIONAL NAVAL MEDICAL CENTER. BETHESDA, MARYLAND		4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	
5. PROGRAM ELEMENT 0807796N	6. CATEGORY CODE 721.12	7. PROJECT NUMBER P-912	8. PROJECT COST ($000) 9,040

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	101,600	-	6,920
BUILDING	SF	78,200	60.00	(4,690)
PARKING GARAGE	SF	23,400	27.00	(630)
BUILT-IN EQUIPMENT	LS	-	-	(1,600)
SUPPORTING FACILITIES	-	-	-	1,200
ELECTRICAL UTILITIES	LS	-	-	(240)
MECHANICAL UTILITIES	LS	-	-	(410)
PAVING AND SITE IMPROVEMENT	LS	-	-	(550)
SUBTOTAL	-	-	-	8,120
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST	-	-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	510
TOTAL REQUEST	-	-	-	9,040
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four-story reinforced concrete frame building, concrete foundation and floors, masonry walls, built-up roofing, solar domestic hot water system, fire protection and alarm systems, elevators, air conditioning, utilities, technical operating manuals; 108 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; parking structure.

Grade Mix: 72 E1-E4, 180 E5-E6. Total 252.

11. REQUIREMENT: 1,356 PN ADEQUATE: 871 PN SUBSTANDARD: 0 PN

PROJECT:

Provides adequate billeting for 252 enlisted personnel. (Current mission.)

REQUIREMENT:

Adequate housing for 1,356 bachelor enlisted personnel. These personnel are either assigned to the hospital as staff or are undergoing training.

CURRENT SITUATION:

Existing adequate berthing capacity of 871 includes 724 adequate spaces and 147 spaces in the local community. The total number of adequate spaces is insufficient, resulting in overcrowding. A new construction deficiency of 485 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently unprogrammed.

IMPACT IF NOT PROVIDED:

Degrade safety, productivity and training, morale and health of personnel, and Navy's career retention efforts.

ADDITIONAL:

The surrounding community has insufficient housing and cannot satisfy the activity's berthing requirements.

(CONTINUED ON DD 1391C)

DD FORM 1391
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND

4. PROJECT TITLE

BACHELOR ENLISTED QUARTERS

5. PROJECT NUMBER

P-912

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	75
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(0)
(B) ALL OTHER DESIGN COSTS	(140)
(C) TOTAL	140
(D) CONTRACT	(0)
(E) IN-HOUSE	(140)

(4) CONSTRUCTION START 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL ORDNANCE STATION,
INDIAN HEAD, MARYLAND

4. COMMAND

NAVAL SEA SYSTEMS
COMMAND

5. AREA CONSTR COST INDEX

1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	58	299	2556	67	351	0	26	86	0	3443
b. END FY 1995	60	303	2556	107	736	0	26	86	0	3874

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,410)	
b. INVENTORY TOTAL AS OF 30 SEP 89	147,000
c. AUTHORIZATION NOT YET IN INVENTORY	20,260
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,430
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,420
f. PLANNED IN NEXT THREE PROGRAM YEARS	42,030
g. REMAINING DEFICIENCY	24,700
h. **GRAND TOTAL**	247,840

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.10	INDUST WSTWTR TRMNT FACS	LS	6,430	01/89	07/90
	TOTAL		6,430		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

832.30	INDUS WSTWTR TRMT FAC-INC2	LS	5,420	-	-
226.65	PROPELLANT & CHEMIC FAC	6,000 SF	2,000	-	-
	TOTAL		7,420		

B. MAJOR PLANNED NEXT THREE YEARS:

310.13	CHEMISTRY LABORATORY	21,600 SF	6,000
226.65	AUTOMATED NITRATION FAC	26,350 SF	22,000
143.60	BULK EXPLOSIVE FACILITY	LS	14,030

10. MISSION OR MAJOR FUNCTIONS:

Provide material and technical support for weapon systems, weapons or components. Maintain and operate facilities for mixing, blending, casting and extruding chemicals, propellants and explosives and for the assembly and test of rocket and missile motors. Conduct research in propellants, explosives and related fields, including producing pilot plant quantities of new chemicals. Repair, rework, and modify fleet returned guided missile propulsion units. Provide logistic support for the Naval Explosive Ordnance Disposal Facility and the Naval School, Explosive Ordnance Disposal.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	5,400
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND	4. COMMAND NAVAL AIR SYSTEMS COMMAND	5. AREA CONSTR COST INDEX 1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	561	3166	3725	57	58	0	0	0	0	7567
b. END FY 1995	487	2638	3912	57	58	0	0	0	0	7152

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (7,123)	
b. INVENTORY TOTAL AS OF 30 SEP 89	254,160
c. AUTHORIZATION NOT YET IN INVENTORY.	44,640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,040
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	15,450
g. REMAINING DEFICIENCY.	27,460
h. **GRAND TOTAL**	350,750

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	SECURITY IMPROVEMENTS	LS	3,010	06/89	04/90
171.20	TEST PILOT SCHOOL	42,000 SF	6,030	08/88	05/90
	TOTAL		9,040		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

441.30	HAZ/FLAMM MATRL STRG FAC	12,860 SF	2,250
311.25	ADVANCED WARFARE FACILITY	83,720 SF	13,200

10. MISSION OR MAJOR FUNCTIONS:

Test and evaluate aircraft and weapon systems, components, and their related equipment for Fleet use. Station also supports tactical support squadrons and the Navy Test Pilot School.

Fleet Air Reconnaissance Squadron VQ-4 (Functions move to Tinker AFB early 1990's.)
Oceanographic Development Squadron VXN-8
Air Test and Evaluation Squadron VX-1
Navy Test Pilot School

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	2,250

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND		4. PROJECT TITLE SECURITY IMPROVEMENTS	
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 872.10	7. PROJECT NUMBER P-420	8. PROJECT COST ($000) 3,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS	LS	-	-	2,700
CONTROL CENTER MODIFICATIONS, HARDENING	LS	-	-	(490)
SECURITY LIGHTING	LS	-	-	(190)
SECURITY FENCING, GATES, CHECKPOINTS	LS	-	-	(1,020)
ACCESS CONTROL PAVILIONS	LS	-	-	(570)
UTILITIES	LS	-	-	(430)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	170
TOTAL REQUEST	-	-	-	3,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(3,300)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Modify alarm control center building; emergency generator; security fencing and lighting; controlled personnel access pavilions, camera mount foundations; utilities; contaminated soil removal.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides upgraded security at this aircraft test and development activity with an "enclave" concept of protection around critical assets by restricting and controlling access. The concept is comprised of a sensored fence and buried line sensors to detect an attempted or actual intrusion. Lighted clear-zones will be watched using closed circuit television. Features to limit vehicle penetration will also be provided. (Current mission.)

REQUIREMENT:

Adequate physical security for critical test and development aircraft, equipment, facilities and personnel. Surveillance of these assets will provide protection and reduce pilferage at the activity and help promote the loss prevention program. Terrorism around the world is on the increase. Targets include US military installations, equipment and personnel. Experiences, such as destruction of Navy aircraft in San Juan several years ago, highlight the need to improve security around military installations and airfields. Monitoring devices, alarms, lighting and a surveillance control center will greatly improve effectiveness of fencing and will protect valuable assets. Less visible but just as damaging is the threat of espionage of technologies and weapons development. After recent loss of submarine technologies through spies and technology transfers, the Navy has stepped-up its effort to protect important military developments. NATC Patuxent River is the Navy's primary center for aircraft development, test and life-cycle engineering support. All types of existing Navy aircraft are tested here. New radar, electronic warfare and communication systems are tested along with the airframes. New aircraft or existing aircraft scheduled for extensive modifications

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND

4. PROJECT TITLE

SECURITY IMPROVEMENTS

5. PROJECT NUMBER

P-420

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)
are thoroughly tested prior to full scale production. Loss of hardware and computer software or the "eavesdrop" monitoring of tests through espionage would compromise the combat effectiveness of the aircraft and the subsystems. It would also make development of countermeasures by potential enemies much easier. Improved physical security measures is a proven method of greatly reducing the terrorist threat and the loss of technology and military secrets through espionage.

CURRENT SITUATION:
Like most military installations, Patuxent River's primary means of security protection is a perimeter fence and security patrols. In general, once inside the installation, a person has unchallenged access to most assets. Assets are left unattended in dark or poorly lit areas. With these conditions, intruders could do considerable damage to Navy assets with minimal risk of being apprehended. Persons could enter unoccupied buildings and steal hardware or information. "Eavesdroppers" could set up monitoring stations on-base and receive test data through visual and electronic means. The proposed physical security improvements will provide an integrated security system completely encompassing critical assets, with the capability to deter or detect unauthorized intruders seeking entry into sensitive areas.

IMPACT IF NOT PROVIDED:
Access to the base is de facto access to sensitive and classified mission assets and information. Weapons systems, classified test and evaluation data and aviation assets will continue to be vulnerable to compromise or destruction. Loss of this data would enable hostile forces to nullify weapons designs prior to their initial operational capability and devise similar advanced weapons at a greatly reduced cost.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	80
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(130)
(B) ALL OTHER DESIGN COSTS	(110)
(C) TOTAL	240
(D) CONTRACT	(210)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND		
4. PROJECT TITLE SECURITY IMPROVEMENTS		5. PROJECT NUMBER P-420

12. SUPPLEMENTAL DATA: (CONTINUED)

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
INTRUSION DETECTION SYSTEM, MONITORING EQUIPMENT, ELECTRICAL CABLES, ALARM CONTROL CENTER.	RDT&E	1991	3,300
		TOTAL	3,300

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 **MILITARY CONSTRUCTION PROGRAM**		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND		4. PROJECT TITLE TEST PILOT SCHOOL	
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-427	8. PROJECT COST ($000) 6,030

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TEST PILOT SCHOOL	SF	42,000	-	4,620
BUILDING	SF	42,000	99.00	(4,160)
BUILT-IN EQUIPMENT	LS	-	-	(460)
SUPPORTING FACILITIES	-	-	-	800
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT	LS	-	-	(430)
SUBTOTAL	-	-	-	5,420
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST	-	-	-	5,690
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	340
TOTAL REQUEST	-	-	-	6,030
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, reinforced concrete spread-foundations, concrete floors, masonry-unit walls with brick facing, built-up roofing on metal decking, computer flooring, elevator, flight simulator space, administration, classrooms, auditorium, laboratories, direct current electric power, energy monitoring and control system, sound attenuation, fire protection system, air conditioning, utilities.

11 REQUIREMENT: 42,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a facility for training experienced aviators, flight officers, and engineers to become qualified engineering test pilots, test flight officers, and test project engineers. The facility will have a special radar enclosure on the roof for use by the systems laboratory to teach students radar equipment theory. (Current mission.)

REQUIREMENT:

Adequate training facility with appropriate space to accommodate a safe, effective, and modern test pilot school to train personnel for Navy aircraft and associated systems testing. During development, test pilots are used to evaluate aircraft to identify peculiar flight characteristics and handling problems and to test remedies. The training curriculum consists of classroom instruction and actual flying time. New academic classroom and support spaces are required. The classroom instruction covers such topics as physics, aerodynamics, communication theory, aircraft characteristics, electronics theory, optics, and other areas related to aircraft systems and flying. The graduate attains the equivalent of a masters degree in engineering and aerodynamics. The Navy's test pilot school enjoys a world-wide reputation for excellence. Many astronauts and prominent men and women in the aerospace industry are graduates. Trained individuals from this school form the backbone of the Navy's aerospace development, test and evaluation community. The collective contributions to naval aviation of these graduates toward the future success of new aircraft and associated systems development is

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND		
4. PROJECT TITLE TEST PILOT SCHOOL		5. PROJECT NUMBER P-427

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

immeasurable. The test pilot's school also provides other Department of Defense agencies and friendly foreign governments similar training opportunities.

CURRENT SITUATION:

The only Navy test pilot school is housed in three second-floor, lean-to areas of a World War II-era aircraft maintenance hangar. Hard work and dedication has seen this school grow to the current personnel strength of 222. This total will grow to 232 by the early 1990's. The students take an intensive eleven month program divided among classroom instruction, study and testing, and flying time. The school staff includes eight academic and 20 flight instructors. The number of assigned aircraft will rise from 33 to 41, a total of 14 different models including helicopters. This school is the only helicopter test pilot's school in the US. Classroom instruction is conducted throughout the year, with the facility occupied continuously during the normal work week and after hours for study. Minor improvements over the years have converted the hangar workshops and office spaces into classrooms, a library, laboratories, and study areas. The spaces lack adequate sound attenuation making it difficult for concentration and study. The conference room is too small to accommodate all the students and staff. The humidity cannot be kept low enough in the technical library to prevent the manuscripts from being damaged. High humidity also causes problems with the computers and simulators in the laboratories. Briefing and debriefing before and after flights is accomplished in the open-bay areas of the hangar where maintenance noise makes hearing difficult. The heating and lighting are bad, making study difficult.

IMPACT IF NOT PROVIDED:

For many years, strenuous efforts have been made to keep pace with aerospace technology and advances in the educational process. But the situation is beyond the point where such advances can be effectively introduced into the existing facility. The school cannot take advantage of recent quantum leaps in technology within its existing facility. The test pilot's school is a unique organization which presents a demanding and exciting educational challenge to all who attend. Failure to provide a new building will result in regression towards obsolescent, inferior training, with far reaching adverse effects on naval aviation.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	08-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	80
(C) DATE DESIGN 35% COMPLETE	07-89
(D) DATE DESIGN COMPLETE	05-90
(2) BASIS:	
(A) STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(300)
(B) ALL OTHER DESIGN COSTS	(160)
(C) TOTAL	460
(D) CONTRACT	(400)
(E) IN-HOUSE	(60)

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND		
4. PROJECT TITLE TEST PILOT SCHOOL		5. PROJECT NUMBER P-427

12. SUPPLEMENTAL DATA: (CONTINUED)

(4) CONSTRUCTION START. 02-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND	4. COMMAND NAVAL MEDICAL COMMAND	5. AREA CONST COST INDEX 1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	52	135	65	0	0	0	0	0	0	252
b. END FY 1995	60	88	53	0	0	0	0	0	0	201

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NATC
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,510
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	2,510

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	AVIAT PHYSIOLOGY TRNG FAC	13,800 SF	2,510	01/89	01/90
	TOTAL		2,510		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

To provide general clinical hospitalization for active duty Navy and Marine Corps personnel, active duty members of other armed services, dependents of active duty personnel, and other authorized persons as outlined in current directives. To cooperate with military and civil authorities in matters pertaining to health, sanitation, local disasters, and other emergencies

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND	4. PROJECT TITLE AVIATION PHYSIOLOGY TRAINING FACILITY

5. PROGRAM ELEMENT 0807796N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-903	8. PROJECT COST ($000) 2,510

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION PHYSIOLOGY TRAINING FACILITY	SF	13,800	-	1,730
BUILDING	SF	13,800	112.00	(1,550)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES	-	-	-	530
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT	LS	-	-	(170)
SUBTOTAL	-	-	-	2,260
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST	-	-	-	2,370
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	140
TOTAL REQUEST	-	-	-	2,510
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, masonry walls, built-up-roof, air conditioning, utilities, fire protection system; specialized training and equipment rooms, instructors offices; relocate ejection seat trainer device; provide specialized equipment support, and technical operating manuals to support training units

11. REQUIREMENT: 13,800 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs training facility including administrative space, classrooms, low pressure chamber, and ejection seat training devices. (Current mission.)

REQUIREMENT:

Adequate facilities to accommodate aviation physiology and water survival training for Fleet aviation personnel including those at the Naval Air Test Center.

CURRENT SITUATION:

The aviation physiology training department presently occupies only 2,700 square feet of one building. The building is shared by two other major departments of the host installation. The aviation physiology training devices are housed in two rooms which must also accommodate a maintenance area, office spaces, static displays, and storage. Because there is a lack of adequate storage space, some items are stored in the crawl space under a building some distance away leading to equipment deterioration and lack of accountability. The department does not have a dedicated classroom. The building's conference room is used on a shared basis and is not available two full days per week. Students who travel from other activities to receive training spend two days at the facility to get one day's worth of training. It is projected that the training workload will increase by 20% because new aircraft and systems will receive full scale development, test and evaluation at the test center.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND

4. PROJECT TITLE

AVIATION PHYSIOLOGY TRAINING FACILITY

5. PROJECT NUMBER

P-903

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED:

The department will be unable to comply with training requirements for moduler training of aviation life support systems in fixed and rotary wing aircraft. The existing deficiency of adequate training space will result in continued degradation of air crew training in survival techniques and may result in unnecessary loss of life or serious injury.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	01-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	06-89
(D) DATE DESIGN COMPLETE	01-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO Y

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(115)
(B) ALL OTHER DESIGN COSTS	(145)
(C) TOTAL	260
(D) CONTRACT	(230)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL ELECTRONIC SYSTEMS ENGINEERING ACT.
ST. INIGOES, MARYLAND

4. COMMAND

SPACE AND NAVAL WARFARE
SYSTEMS COMMAND

5. AREA CONSTR COST INDEX

1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	6	45	343	0	0	0	0	0	0	394
b. END FY 1995	4	27	345	0	0	0	0	0	0	376

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (969)	
b. INVENTORY TOTAL AS OF 30 SEP 89	23,010
c. AUTHORIZATION NOT YET IN INVENTORY.	2,950
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,020
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,400
f. PLANNED IN NEXT THREE PROGRAM YEARS	8,820
g. REMAINING DEFICIENCY.	13,400
h. **GRAND TOTAL**	59,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000	DESIGN STATUS START	COMPLETE
317.25	FACSFAC ELEC SYS INTEG	25,400	SF	4,020	01/89	03/90
	TOTAL			4,020		

9 FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
317.25	ELECS SYS INTEGRATION LAB	27,900	SF	6,800	08/87	09/89
831.10	SANITARY WASTEWATER SYSTEM	LS		600	09/88	09/89
	TOTAL			7,400		
	B MAJOR PLANNED NEXT THREE YEARS:					
317.25	ACLS INTEGRATED TEST FAC	LS		700		
217.77	ELECTRONICS STORAGE FAC	57,560	SF	8,120		

10 MISSION OR MAJOR FUNCTIONS:

Performs test and evaluation on electronics systems and equipment; provides technical support and services to users of Navy electronic systems and equipment; integrates electronics systems for new ship types and develops prototype equipment modifications

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL ELECTRONIC SYSTEMS ENGINEERING ACT. ST. INIGOES, MARYLAND	4. PROJECT TITLE FACSFAC ELECTRONIC SYSTEMS INTEGRATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	317.25	P-723	4,020

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FACSFAC ELECTRONIC SYSTEMS INTEGRATION	SF	25,400	-	2,800
BUILDING	SF	25,400	104.00	(2,640)
BUILT-IN EQUIPMENT	LS	-	-	(160)
SUPPORTING FACILITIES	-	-	-	810
UTILITIES	LS	-	-	(490)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(320)
SUBTOTAL	-	-	-	3,610
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,020
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame and masonry building, concrete foundation and floors, built-up roof, energy monitoring and control system, fire protection system, air conditioning, utilities; access road.

11. REQUIREMENT: 38,000 SF ADEQUATE: 12,600 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a facility for life-cycle support of the Fleet Area Control and Surveillance Facility (FACSFAC) systems. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities to accommodate software and hardware maintenance, repair, software configuration management and problem analysis for the FACSFAC life-cycle support program. Both hardware and software support must be provided to ensure the highest level of technical assistance, to optimize maintenance and logistic activities, and to provide for the software development, modification, and configuration control of all FACSFAC installations. As recommended by Congress, the FACSFACs collaborate with FAA air-traffic-control to provide continuous surveillance and traffic control in those areas where civilian and military aircraft might intermingle, in an effort to avoid mid-air collisions and enhance air safety. Four FACSFACs have been contructed at naval bases in Jacksonville, the Virginia Capes, San Diego, and Oahu to control airspace over large off-shore operating areas. In addition, systems are used for control and surveillance at Key West, Fallon, and Hill Air Force Base in Utah.

CURRENT SITUATION:

The FACSFAC program, with its state-of-the-art equipment and markedly increased number of applications, has greatly increased the current and projected workload. Several new systems which require immediate support have been brought on-line. The present support facility cannot keep pace with current operating systems and the projected seven new systems that will become operational during the 1990's. Dramatic increases in monitoring of air traffic have increased system overloads which

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL ELECTRONIC SYSTEMS ENGINEERING ACT. ST. INIGOES, MARYLAND

4. PROJECT TITLE

FACSFAC ELECTRONIC SYSTEMS INTEGRATION

5. PROJECT NUMBER

P-723

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

jeopardize air traffic safety.

IMPACT IF NOT PROVIDED:

Navy will be unable to provide the software and hardware support to keep the FACSFACs in operation. This could adversely affect national security, as well as air safety over thousands of square miles of coastal and land range warning areas. The same would apply for the other related facilities that have been designated for FACSFAC type support.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	01-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	08-89
(D) DATE DESIGN COMPLETE	03-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_Y_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(200)
(B) ALL OTHER DESIGN COSTS	(180)
(C) TOTAL	380
(D) CONTRACT	(360)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL INTELLEGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND

4. COMMAND

NAVAL INTELLIGENCE COMMAND

5. AREA CONSTR COST INDEX 1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	16	9	71	0	0	0	0	0	0	96
b. END FY 1995	15	9	71	0	0	0	0	0	0	95

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY		114,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		1,000
h. **GRAND TOTAL**		115,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.65	HEADQUARTERS BLDG-INCR II	920,000 SF	0	01/89	04/90
	TOTAL		0*		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

Direct and manage the activities of the Naval Intelligence Command to insure the fulfillment of the intelligence requirements and responsibilities of the Department of the Navy; and to perform such other functions and tasks as may be directed by higher authority.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

*Prior-year authorization.

DD FORM 1390
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL INTELLEGENCE COMMAND HEADQUARTERS,
SUITLAND, MARYLAND

4. PROJECT TITLE

HEADQUARTERS BUILDING
(INCREMENT II)

5. PROGRAM ELEMENT

N F I P

0301398N

6. CATEGORY CODE

143.65

7. PROJECT NUMBER

P-001 A

8. PROJECT COST ($000)

AUTH: 0*
APPR: 55,048

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HEADQUARTERS BUILDING	SF	920,000	-	48,590
BUILDING	SF	587,000	72.00	(42,260)
PARKING STRUCTURE	SF	333,000	19.00	(6,330)
SUPPORTING FACILITIES	-	-	-	53,840
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(45,320)
UTILITIES	LS	-	-	(6,000)
PAVING AND SITE IMPROVEMENT	LS	-	-	(2,520)
SUBTOTAL	-	-	-	102,430
CONTINGENCY (5%)	-	-	-	5,120
TOTAL CONTRACT COST	-	-	-	107,550
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	6,450
SUBTOTAL	-	-	-	114,000
LESS: INCREMENT I FUNDING: FY 1989	-	-	-	- 58,952
TOTAL REQUEST	-	-	-	55,048
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

*Prior-year authorization.

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story reinforced concrete building, pile foundation, sensitive compartmented information facility construction, computer flooring, earth berms from imported fill material, radio frequency shielding, secure raceways for power, communications and data, vehicle barricades, hardened guard structures, air conditioning, special ventilation systems, silver waste recovery, waste neutralization and treatment system, grease removal system, 60 HZ emergency generators, 400 HZ electric power, grounding and lightning protection, independent power house, parking garage, utilities, elevators.

11. REQUIREMENT: 920,000 SF ADEQUATE: 0 SF SUBSTANDARD 0 SF

PROJECT:

Provides a building with secure and technically supported environment for critical, highly sensitive intelligence gathering services, accommodating approximately 2,230 employees, and a supporting parking facility. (Current mission.)

REQUIREMENT:

The Naval Intelligence Command (NIC) in Suitland, Maryland needs to be centralized to provide necessary functionality and security. Projections indicate an expansion of the command's mission with associated increases in staff and space needs including major requirements for additional data processing equipment space. The existing NIC complex is not designed for expansion.

CURRENT SITUATION:

NIC facilities are currently overcrowded and fragmented leased spaces in several locations. No space exists for expansion or consolidating requirements. The majority of the command is split between leased buildings with additional activities at Crystal City, Chesapeake Beach and a Smithsonian Warehouse.

IMPACT IF NOT PROVIDED:

NIC facilities will remain overcrowded and fragmented with conditions worsening because of staff increases. Costly commercial leased space

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL INTELLEGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND

4. PROJECT TITLE

HEADQUARTERS BUILDING (INCREMENT II)

5. PROJECT NUMBER

P-001

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED: (CONTINUED)

will still be required and lease costs will continue to escalate.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	01-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	04-89
(D) DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(7,700)
(B) ALL OTHER DESIGN COSTS	(3,100)
(C) TOTAL	10,800
(D) CONTRACT	(10,700)
(E) IN-HOUSE	(100)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR COST INDEX .85

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	5	125	20	0	0	0	0	0	0	150
b. END FY 1995	6	149	20	0	0	0	0	0	0	175

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NCBC	
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY.		5,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,710
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		4,700
g. REMAINING DEFICIENCY.		0
h. **GRAND TOTAL**		18,660

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	APPLIED INST BLDG	12,560 SF	1,170	06/89	04/90
721.14	BARRACKS	79,000 SF	7,540	12/88	05/90
	TOTAL		8,710		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

171.20	APPLIED INSTRUCTION BLDG	38,380 SF	4,700

10. MISSION OR MAJOR FUNCTIONS:

Train Seabee personnel to prepare for early usefulness in their designated specialties; supplement on-the-job training with advanced and specialized training when such training is more advantageously given in a formal school.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	2. DATE

FY 1991 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI	4. PROJECT TITLE APPLIED INSTRUCTION BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.20	P-716	1,170

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
APPLIED INSTRUCTION BUILDING	SF	12,560	70.00	880
SUPPORTING FACILITIES	-	-	-	170
UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(110)
SUBTOTAL	-	-	-	1,050
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	1,100
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	70
TOTAL REQUEST	-	-	-	1,170
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, masonry walls with brick facing, built-up roof, fire protection system, air conditioning, utilities, demolition of one building.

11. REQUIREMENT: 57,990 SF ADEQUATE: 45,430 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an instruction building. (Current mission.)

REQUIREMENT:

Adequate facilities for training Seabees in the basic and advanced construction electrician skills.

CURRENT SITUATION:

The existing construction electrician's school is located in a 43-year old converted Battalion Headquarter's Building. The facility has undersized classrooms, not permitting proper safety zones or instructor observation areas. Floor loading is approaching unsafe limits. There are no other useable or available facilities to house this function.

IMPACT IF NOT PROVIDED:

The construction electricians will continue to be taught in a deteriorated building, poorly configured for training, and containing many safety hazards. The quality of instruction will suffer, adversely affecting the Seabees ability to support fleet activities.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 40

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI		
4. PROJECT TITLE APPLIED INSTRUCTION BUILDING		5. PROJECT NUMBER P-716

12. SUPPLEMENTAL DATA: (CONTINUED)

(C)	DATE DESIGN 35% COMPLETE	11-89
(D)	DATE DESIGN COMPLETE	04-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(80)
(B)	ALL OTHER DESIGN COSTS	(60)
(C)	TOTAL	140
(D)	CONTRACT	(110)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI	4. PROJECT TITLE BARRACKS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804731N	721.14	P-723	7,540

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	79,000	76.00	6,000
SUPPORTING FACILITIES	-	-	-	770
UTILITIES	LS	-	-	(190)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(580)
SUBTOTAL	-	-	-	6,770
CONTINGENCY (5%)	-	-	-	340
TOTAL CONTRACT COST	-	-	-	7,110
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	430
TOTAL REQUEST	-	-	-	7,540
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Five-story reinforced concrete frame dormitory building, concrete foundation and floors, masonry walls with brick and exposed concrete facing, air conditioning, fire protection and alarm systems, utilities; semi-open-bay living compartments concept; demolition of four buildings.

Grade mix: 492 E1-E4. Total: 492.

11. REQUIREMENT: 492 PN ADEQUATE: 0 PN SUBSTANDARD: 0 PN

PROJECT:

Provides adequate billeting for 492 enlisted personnel. (Current mission.)

REQUIREMENT:

Adequate housing for enlisted "A" school students assigned construction trades training at this center.

CURRENT SITUATION:

All "A" school students are being berthed in four 45-year old wood-frame, inadequate barracks beyond economical repair. A new construction deficiency of 492 adequate billeting spaces exists. This project will satisfy the current projected space deficit.

IMPACT IF NOT PROVIDED:

Continued use of existing barracks will degrade the safety, training, productivity, morale, and health of students. First-term retention rate for personnel attending "A" schools at Gulfport will possibly decline. Loss of one of the existing barracks because of structural failure would seriously hamper the mission of this center.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI

4. PROJECT TITLE

BARRACKS

5. PROJECT NUMBER

P-723

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	12-86
(B) PERCENT COMPLETE AS OF JANUARY 1990.	60
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(200)
(B) ALL OTHER DESIGN COSTS	(65)
(C) TOTAL.	265
(D) CONTRACT	(40)
(E) IN-HOUSE	(225)

(4) CONSTRUCTION START. . . . . 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, EARLE, NEW JERSEY	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR COST INDEX 1.11

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	118	1369	675	0	0	0	0	79	0	2241
b. END FY 1995	147	2642	675	0	0	0	0	79	0	3543

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(11,158)	86,400
b. INVENTORY TOTAL AS OF 30 SEP 89		88,250
c. AUTHORIZATION NOT YET IN INVENTORY		85,400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		20,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		66,230
f. PLANNED IN NEXT THREE PROGRAM YEARS		10,100
g. REMAINING DEFICIENCY		356,780
h. **GRAND TOTAL**		

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
151.10	TRESTLES REPL (PHASE I)	LS	85,400	06/89	07/90
	TOTAL		85,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

740.74	CHILD DEVELOPMENT CENTER	8,500 SF	1,200	-	-
151.10	TRESTLES REPL (PHASE II)	LS	19,200	-	-
	TOTAL		20,400		

B. MAJOR PLANNED NEXT THREE YEARS:

148.25	EXPL TRUCK HOLDING YARD	LS	1,500
421.72	MISSILE MAGAZINE	8,370 SF	4,000
421.72	MISSILE MAGAZINES	18,000 SF	7,400

10. MISSION OR MAJOR FUNCTIONS:

Receive, renovate, maintain, store, and issue ammunition, explosives, expendable ordnance items, weapons, and technical ordnance material. Maintain basic and war reserve ammunition stocks. Act as overseas ammunition transshipment point for Armed Forces. Conduct RDT&E in-service engineering and fleet support for packaging, handling, storage, and transportation of ammunition. Provide logistics and port terminal services in support of homeported ammunition ships.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	39,690
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, EARLE, NEW JERSEY		4. PROJECT TITLE TRESTLES REPLACEMENT (PHASE I)	
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 151.10	7. PROJECT NUMBER P-949	8. PROJECT COST ($000) AUTH: 85,400 APPR: 20,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRESTLES REPLACEMENT	LS	-	-	76,730
STRUCTURES	LS	-	-	(64,160)
RAILROAD TRACKAGE	LF	18,200	306.00	(5,570)
UTILITIES	LS	-	-	(5,000)
DEMOLITION	LS	-	-	(2,000)
SUBTOTAL	-	-	-	76,730
CONTINGENCY (5%)	-	-	-	3,840
TOTAL CONTRACT COST	-	-	-	80,570
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	4,830
TOTAL REQUEST	-	-	-	85,400
FY 1991 APPROPRIATION REQUEST	-	-	-	20,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a reinforced concrete trestle adjacent to existing Trestles 1 and 2; 9,100 feet long, 46 feet wide, on steel piles, two railroad tracks, two-lane roadway, utilities; demolition of existing trestles.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Replaces two trestles extending from the shoreline outward into Sandy Hook Bay to juncture with existing Trestle 4. (Current mission.)

REQUIREMENT:

Trestles built in 1944 show signs of severe structural deterioration and must be replaced for safe access to the offshore piers to accommodate the mission of ordnance loading and homeporting. Ordnance is transported by both truck and railcar over these trestles enroute to and from storage magazines in the inland area of the station. Homeport plan includes berthing three ammunition ships (AE's) and two fast combat support ships (AOE's) which resupply the Atlantic Fleet while underway with ammunition, fuel and other vital provisions. This is the first of three planned phases to totally replace Trestles 1 and 2 from the shore to Trestle 4. Funding for phases II and III will be requested in Fiscal Years 1992 and 1993.

CURRENT SITUATION:

Structural testing and analysis of existing Trestles 1 and 2 show significant areas of deterioration currently, with accelerating deterioration of the concrete deck, caused by freeze-thaw cycles. The remaining life of the concrete deck may be limited to five more freeze-thaw cycles, or about five years. Weight limitations have been placed on trucks and railcars resulting in increased loading times and cost.

IMPACT IF NOT PROVIDED:

The Navy will not have safe access from shore to the pier complex at the end of Trestles 1 and 2 for transport of ammunition, supplies and personnel.

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL WEAPONS STATION, EARLE, NEW JERSEY

4. PROJECT TITLE
TRESTLES REPLACEMENT (PHASE I)

5. PROJECT NUMBER
P-949

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(3,000)
(B) ALL OTHER DESIGN COSTS	(250)
(C) TOTAL	3,250
(D) CONTRACT	(3,000)
(E) IN-HOUSE	(250)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE. CAMP LEJEUNE. NORTH CAROLINA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX .92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	243	2556	2358	81	3684	0	1992	27638	1657	40209
b. END FY 1995	514	3082	2376	197	4994	0	1859	27116	1552	41690

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(87,380)	
b. INVENTORY TOTAL AS OF 30 SEP 89		579.760
c. AUTHORIZATION NOT YET IN INVENTORY		140,960
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		29,170
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		43.800
f. PLANNED IN NEXT THREE PROGRAM YEARS		51.220
g. REMAINING DEFICIENCY		152.590
h. **GRAND TOTAL**		997.500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217.10	ELECS COMMS MAINT SHOPS	26.010	SF	4.120	05/88	07/89
214.53	FIELD MAINTENANCE COMPLEX	210.300	SF	21,000	04/89	05/90
171.20	MECHANICS TRG BDG-INCR III	34.010	SF	4,050	06/88	07/89
	TOTAL			29.170		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92)					
217.10	ELEC COMM MAINT SHOP	8.058	SF	2.000	-	-
911.10	LAND ACQUISITION	52.000	AC	40.000	-	-
124.50	VEHICLE READY FUEL STORAGE	154.000	GA	1,800	-	-
	TOTAL			43.800		
	B. MAJOR PLANNED NEXT THREE YEARS					
171.20	APPLIED INSTRUCTION BLDG	34.730	SF	4.300		
214.51	COMBAT VEH MAINT SHOP	30.960	SF	4.860		

10. MISSION OR MAJOR FUNCTIONS:

Provide housing, training facilities, logistics support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools for other training as directed.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A:	POLLUTION ABATEMENT	18.600
B:	INSTALLATION RESTORATION	27.020
C.	OCCUPATIONAL SAFETY AND HEALTH (OSH)	2.000

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	217.10	P-679	4,120

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS	SF	26,010	-	2,410
BUILDING	SF	26,010	78.00	(2,030)
BUILT-IN EQUIPMENT	LS	-	-	(300)
TECHNICAL OPERATING MANUALS	LS	-	-	(80)
SUPPORTING FACILITIES	-	-	-	1,290
ELECTRICAL UTILITIES	LS	-	-	(420)
MECHANICAL UTILITIES	LS	-	-	(630)
PAVING AND SITE IMPROVEMENT	LS	-	-	(240)
SUBTOTAL	-	-	-	3,700
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST	-	-	-	3,890
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,120
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story and one partial two-story steel reinforced masonry buildings, concrete foundations and floors, built-up roof over rigid insulation on steel decking, roll-up doors, bridge crane and monorail hoists in high-bay area, compressed air, 400 Hz electric power, grounding, radio-frequency shielding, exhaust systems, wash aprons, security fencing, perimeter lighting; access road; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 33,840 SF ADEQUATE 7,830 SF SUBSTANDARD 0 SF

PROJECT:

Provides two electronics and communications maintenance facilities (Current mission).

REQUIREMENT:

Adequate electronics and communications maintenance facilities to support third and fourth echelon maintenance for the Second Maintenance Battalion and first and second echelon maintenance for the Landing Support Battalion. The maintenance battalion performs major maintenance on 1,500 pieces of equipment including mounted radios, cryptographic equipment, and micro-miniature printed circuit boards. In addition, they are responsible for the calibration of all organic electronic and communication gear. Approximately 175 marines are assigned to this unit. The Landing Support Battalion performs first and second echelon maintenance on a variety of equipment including vehicle mounted frequency converters, mine detectors, and related hardware. There are 69 marines assigned to this unit.

CURRENT SITUATION:

The maintenance battalion is currently working in a building which was constructed for a motor transportation battalion in the 1950's. It is not designed or adaptable for optimum electronic communications maintenance operations. The building is inadequate from a health and safety, as well as a sanitation standpoint. High ceilings prevent the facility from maintaining the desired 68 degree temperature necessary for

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE

ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS

5. PROJECT NUMBER

P-679

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

electronic testing and calibration. Additionally, there is a deficiency of electrical outlets and a lack of adequate storage space. The present facility is located in the Hadnot Point area, over two miles away from the main operational area of French Creek. The Landing Support Battalion is also working out of several masonry and metal buildings constructed in the 1950's which are not conducive to performing electronics and communications maintenance. There is no humidity control for electronic testing and there is a lack of adequate storage for the over 100 types of electronic and communication items being maintained. The building also lacks proper ceiling, door height and bay size, electrical service, lighting, and work areas.

IMPACT IF NOT PROVIDED:

Maintenance work will continue to be performed in scattered inadequate buildings, causing protracted maintenance efforts with a resulting increase in deadlined equipment. The combat readiness posture will be adversely affected.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	05-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	09-88
(D) DATE DESIGN COMPLETE	07-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_Y_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(180)
(B) ALL OTHER DESIGN COSTS	(100)
(C) TOTAL	280
(D) CONTRACT	(260)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE FIELD MAINTENANCE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	214.53	P-804	21,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIELD MAINTENANCE COMPLEX	SF	210,300	-	16,540
BUILDING	SF	210,300	69.00	(14,510)
BUILT-IN EQUIPMENT	LS	-	-	(1,970)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
SUPPORTING FACILITIES	-	-	-	2,330
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(120)
ELECTRICAL UTILITIES	LS	-	-	(260)
MECHANICAL UTILITIES	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,710)
SUBTOTAL	-	-	-	18,870
CONTINGENCY (5%)	-	-	-	940
TOTAL CONTRACT COST	-	-	-	19,810
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	1,190
TOTAL REQUEST	-	-	-	21,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building, pile foundation, engineered fill, concrete floors, membrane roof over insulation, high-bay area with monorails and hoists, bridge crane, dehumidification, compressed dry air system, engine exhaust system, 400 Hz electric power, vehicle lifts, 28V DC electric power, security lighting and fencing, lubrication dispensing, hardened weapons repair area, storage area, fire protection system, air conditioning, ventilation, paint booth, and utilities.

11. REQUIREMENT: 210,300 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a field maintenance shop complex for maintaining and repairing all east coast Fleet Marine Force ground equipment. (Current mission).

REQUIREMENT:

Adequate and properly-configured facilities for the 2d Maintenance Battalion to perform its mission of field maintenance on all East Coast Marine ground equipment including wheeled and tracked vehicles (tanks, light armored vehicles, trucks, etc.), ordnance (small arms, artillery and tank weaponry), heavy construction and materials handling equipment (bulldozers, cranes, etc.), and communications and electronics equipment. The 2d Maintenance Battalion provides field maintenance support for the 2d Marine Division and 2d Force Service Support Group located at Camp Lejeune, NC and the 2d Marine Air Wing elements located at Cherry Point, NC; New River, NC; and Beaufort, SC.

CURRENT SITUATION:

The 2d Maintenance Battalion presently performs field maintenance in four converted warehouses, a 45-year old maintenance depot, and a small metal building. These facilities are scattered throughout the industrial area of Camp Lejeune. Artillery and ordnance maintenance is being performed at several areas within the indicated facilities. Many buildings are physically too small to allow new items of equipment to enter and allow maintenance to be carried on indoors. Staging areas for equipment to be

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE

FIELD MAINTENANCE COMPLEX

5. PROJECT NUMBER

P-804

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
repaired are also scattered throughout the industrial area. Scattered location of, and makeshift substitute work spaces, cause cumbersome and uncoordinated work efforts severely hampering the mission of this battalion.

IMPACT IF NOT PROVIDED:
Maintenance activities will remain impaired because existing facilities cannot accommodate state-of-the-art items of equipment because of size, density and increased complexity.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(685)
(B) ALL OTHER DESIGN COSTS	(185)
(C) TOTAL	870
(D) CONTRACT	(810)
(E) IN-HOUSE	(60)

(4) CONSTRUCTION START 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS BASE.
CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE

MECHANICS TRAINING BUILDING
(INCREMENT III)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	171.20	P-810	4.050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MECHANICS TRAINING BUILDING	SF	34.010	-	2.670
BUILDING	SF	34,010	72.00	(2.450)
BUILT-IN EQUIPMENT	LS	-	-	(220)
SUPPORTING FACILITIES	-	-	-	970
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(130)
UTILITIES	LS	-	-	(600)
PAVING AND SITE IMPROVEMENT	LS	-	-	(240)
SUBTOTAL	-	-	-	3.640
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3.820
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4.050
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, pile foundation, concrete floor, built-up roof on insulation over metal decking, high-bay area with monorail and hoist, sound attenuation, compressed air, exhaust systems, lift-lube dispensing equipment, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 108,670 SF ADEQUATE: 74,660 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs the third of three increments for applied and academic instruction facilities for the Marine Corps Mechanics School. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities for training military personnel in second, third, and fourth echelon maintenance of Marine Corps motor transport equipment. Both academic and applied instruction will be accomplished in this facility. This is the only formal mechanics school in the Marine Corps, employing 64 full-time instructors and training over 1,580 students annually. It is anticipated the workload will increase as the Field Logistic System is introduced into the Marine Corps. This system is comprised of several sub-systems such as motor transportation, material handling, container and shelter logistics. The Mechanics Training School utilizes the motor transportation sub-system. This project is designed to accommodate the training procedures of the various new motor transport systems developed in recent years, such as the Dragon Wagon and the HumVee's. This facility will also provide training in the repair and organizational maintenance of track and wheeled vehicles.

CURRENT SITUATION:

The existing Mechanics Training School is located in converted 40 year-old storage facilities, messhalls, barracks, and a variety of enclosed metal structures. These facilities are located at least one mile from each other, are functionally obsolete, and too dispersed for

(CONTINUED ON DD 1391C)

DD FORM 1391
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM
2. DATE	

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE

MECHANICS TRAINING BUILDING (INCREMENT III)

5. PROJECT NUMBER

P-810

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

efficient utilization. Many were built without utilities and plumbing. During the summer, these facilities reach over 100 degrees in the classrooms and laboratories, and during the winter, these buildings are quite uncomfortable. Some of the new type vehicles barely fit inside the existing facilities. There are no other facilities which can be used for this purpose.

IMPACT IF NOT PROVIDED:

Continue training Marine Corps personnel in crowded, inefficient, and inadequate facilities impairing the effectiveness and readiness of the Marine Corps. The inadequacy of school facilities will continue to be aggravated with the introduction of new vehicular equipment into the Marine Corps inventory.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	09-88
(D) DATE DESIGN COMPLETE	07-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(135)
(B) ALL OTHER DESIGN COSTS	(65)
(C) TOTAL	200
(D) CONTRACT	(170)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX .96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	923	7777	4738	90	85	0	108	309	1258	15288
b. END FY 1995	227	946	5019	107	305	0	1067	7366	1610	16647

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(27,696)
b. INVENTORY TOTAL AS OF 30 SEP 89	345,930
c. AUTHORIZATION NOT YET IN INVENTORY	111,100
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	13,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	16,400
f. PLANNED IN NEXT THREE PROGRAM YEARS	24,080
g. REMAINING DEFICIENCY	158,860
h. **GRAND TOTAL**	670,320

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.71	REGIMENTAL GROUP HEADQTRS	13,190	SF	1,950	12/87	08/90
841.10	WATER TREATMENT FACILITY	LS		12,000	10/88	10/90
	TOTAL			13,950		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

211.06	MAINT HANGAR RENMOVATION	164,000	SF	4,250	-	-
441.12	ORGANIC STORAGE FACILITY	14,800	SF	1,150	-	-
831.10	WASTEWTR TREAT PLANT IMPRV	7,200	KG	11,000	-	-
	TOTAL			16,400		

B. MAJOR PLANNED NEXT THREE YEARS:

214.51	AUTO ORGANIZATIONAL SHOP	21,110	SF	4,650
131.15	COMMUNICATIONS CENTER	LS		800

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and materials to support the operations of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	33,660
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	300

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	4. PROJECT TITLE REGIMENTAL GROUP HEADQUARTERS

5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 610.71	7. PROJECT NUMBER P-883	8. PROJECT COST ($000) 1,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REGIMENTAL GROUP HEADQUARTERS	SF	13,190	-	1,130
OPERATIONS BUILDING	SF	11,630	70.00	(810)
SUPPORT BUILDING	SF	1,560	168.00	(260)
BUILT-IN-EQUIPMENT	LS	-	-	(60)
SUPPORTING FACILITIES	-	-	-	620
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
UTILITIES	LS	-	-	(400)
PAVING AND SITE IMPROVEMENT	LS	-	-	(170)
SUBTOTAL	-	-	-	1,750
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,840
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST	-	-	-	1,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story reinforced concrete and masonry buildings, pile foundations, concrete floors, built-up roof over insulation on metal decking, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 38,230 SF ADEQUATE: 25,040 SF SUBSTANDARD: 0 SF

PROJECT:

Provides operations and training facilities for Marine Wing Support Group 27 (MWSG 27) and Headquarters and Headquarters Squadron 27 (H&HS 27). (Current mission).

REQUIREMENT:

Adequate and properly-configured facilities to house operational support functions for the 2nd Marine Air Wing. MWSG 27 is responsible for operational planning and coordination, logistics oversight and provisioning, personnel management, and all functions attendant to the command and control of an aviation ground support organization and five subordinate squadrons. H&HS 27 provides administrative, selected maintenance and supply support for assigned units of MWSG 27.

CURRENT SITUATION:

MWSG 27 and H&HS 27 are presently housed in leased trailers lacking toilet facilities, adequate operations and training space, and cannot accommodate electrical and telephone system development which would enhance command and control.

IMPACT IF NOT PROVIDED:

Continued utilization of trailers precludes the efficient functioning of the largest group in the 2nd Marine Aircraft Wing.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA

4. PROJECT TITLE

REGIMENTAL GROUP HEADQUARTERS

5. PROJECT NUMBER

P-883

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	12-87
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	06-88
(D) DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(100)
(B) ALL OTHER DESIGN COSTS	(30)
(C) TOTAL	130
(D) CONTRACT	(120)
(E) IN-HOUSE	(10)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**
2. DATE	

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	4. PROJECT TITLE WATER TREATMENT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	841.10	P-017	12,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATER TREATMENT FACILITY	LS	-	-	9,760
BUILDINGS	SF	31,570	72.00	(2,270)
WELLS	LS	-	-	(440)
BUILT-IN-EQUIPMENT	LS	-	-	(6,900)
TECHNICAL OPERATING MANUALS	LS	-	-	(150)
SUPPORTING FACILITIES	-	-	-	1,020
UTILITIES	LS	-	-	(450)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(570)
SUBTOTAL	-	-	-	10,780
CONTINGENCY (5%)	-	-	-	540
TOTAL CONTRACT COST	-	-	-	11,320
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	680
TOTAL REQUEST	-	-	-	12,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story and one one-story reinforced concrete and masonry buildings, pile foundations, concrete floors, membrane roofs on insulation over metal decking, high-bay area with cranes and hoists, ventilation, air conditioning, fire protection systems, emergency electric power generators, utilities; treatment tanks, clearwell, water supply wells, storage; demolition of one building.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs a water treatment facility to accommodate increased demand and provide more effective operation. (Current mission).

REQUIREMENT:

An adequate water treatment plant producing sufficient quantities of potable water for domestic and industrial use without interruption.

CURRENT SITUATION:

The capacity of the existing water treatment plant is 4.5 million gallons per day. Current average demand is at capacity and peak demand exceeds capacity at certain times. The maximum filtration rate allowed by law is currently being exceeded on a daily basis by many of the filters.

IMPACT IF NOT PROVIDED:

The expected increased loading with additional station facilities cannot be accommodated. Frequent interruptions of water service will become commonplace.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA

4. PROJECT TITLE

WATER TREATMENT FACILITY

5. PROJECT NUMBER

P-017

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	10-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(500)
(B) ALL OTHER DESIGN COSTS	(740)
(C) TOTAL	1,240
(D) CONTRACT	(1,220)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA	4. COMMAND SPACE AND NAVAL WARFARE SYSTEMS COMMAND	5. AREA CONSTR COST INDEX 1.02

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	70	229	2651	0	0	0	30	35	0	3015
b. END FY 1995	76	234	2651	0	0	0	30	42	0	3033

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (921)	
b. INVENTORY TOTAL AS OF 30 SEP 89	59,660
c. AUTHORIZATION NOT YET IN INVENTORY	1,840
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,770
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	5,100
g. REMAINING DEFICIENCY	32,130
h. **GRAND TOTAL**	109,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310 15	A/C TECHNOLOGIES LAB	65,000 SF	10,770	04/89	06/90
	TOTAL		10,770		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

311 15	INTG NAVIGATION LAB	LS	5,100

10. MISSION OR MAJOR FUNCTIONS:

This center is the principal Navy RDT&E Center for aircraft systems. It exercises the primary in-house research and development capability for aircraft systems simulation; airborne search and rescue; inertial navigation technology; air vehicle technology in structures, materials, flight control; airborne anti-submarine warfare systems; aircraft support systems, cost methodology and logistics; and aerospace medicine and aviation physiology. In addition, the center develops and integrates airborne systems for electronic surveillance and countermeasures, communications, navigation, information processing and display, and environmental sensing (electromagnetic/magnetic), acoustic, electro-optical, and photographic.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A. POLLUTION ABATEMENT:	1,050
B. INSTALLATION RESTORATION	13,500
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA	4. PROJECT TITLE AIRCRAFT TECHNOLOGIES LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	310.15	P-163	10.770

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT TECHNOLOGIES LABORATORY	SF	65.000	128.00	8.320
SUPPORTING FACILITIES	-	-	-	1.360
ELECTRICAL UTILITIES	LS	-	-	(680)
MECHANICAL UTILITIES	LS	-	-	(540)
PAVING AND SITE IMPROVEMENT	LS	-	-	(140)
SUBTOTAL	-	-	-	9.680
CONTINGENCY (5%)	-	-	-	480
TOTAL CONTRACT COST	-	-	-	10.160
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	610
TOTAL REQUEST	-	-	-	10.770
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(1.940)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story building, structural frame and curtain wall construction, concrete foundation and floors, built-up roof, laboratories, test facilities, engineering offices, special ventilation and exhaust systems for safety and pollution control, interstitial mechanical floors, noise isolation and attenuation, hazardous material storage capability, explosion-proof fixtures, fragmentation shielding, blow-out panels in some laboratory and test areas, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 65.000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a consolidated and integrated RDT&E laboratory for naval aircraft materials technology. (Current mission)

REQUIREMENT:

State-of-the-art laboratory for the development of materials which exhibit protective or damage tolerant characteristics for naval aircraft threats needing a high temperature radar absorbing material (RAM) and a radar absorbing structure (RAS), including hardened materials for countermeasures to high energy lasers and work on high temperature propulsion systems alloys (high-strength aluminum). The center is the lead laboratory in the area of structural organic matrix composites. This material has been used in developing the lightweight stiffness in critical materials for application in the F-18 and AV-8B aircraft. The materials research efforts include developing an environmental data base and synthesizing new repair resins for fleet use, as well structures research efforts in structural design, full scale testing, and structural repair techniques of composites. Other RDT&E efforts are devoted to development and validation of full scale components, structural design practices and design criteria providing the technical base necessary for the application of composite structures to emerging Navy aircraft weapons systems being developed in classified programs. To assure security for the composite material research efforts for classified programs, a secure

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA

4. PROJECT TITLE

AIRCRAFT TECHNOLOGIES LABORATORY

5. PROJECT NUMBER

P-163

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

area must be provided for this work. The need for modern facilities for conducting scientific work in new technology areas coupled with lack of space to accommodate expanding program requirements including the presence of numerous health, safety, explosion, fire, laser light and noise hazards supports the necessity for the proposed project.

CURRENT SITUATION:

The forty-two existing dispersed laboratory and test areas are inadequate for emerging technology, where present spaces are congested and severely limit critical research and development efforts. These laboratory and engineering spaces, while housed in two main RDT&E buildings at the Center, were originally allocated when workload performed did not interfere with other priority research activities. Over the ensuing years, other mission requirements, personnel, scientific equipment, computers, and laboratories have expanded and occupied surrounding spaces. The existing facility which has become people intensive also has made expansion of Materials and Structures Laboratory areas impossible.

IMPACT IF NOT PROVIDED:

Continued operations in scattered inadequate research space that will severely impact the Navy's ability to counteract the air warfare threats of the 1990's and beyond. R&D efforts on the development of coatings for carbon-composites, laser resistant materials, and advances in radar absorbing materials will not be realized.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(690)
(B) ALL OTHER DESIGN COSTS	(630)
(C) TOTAL	1,320
(D) CONTRACT	(1,220)
(E) IN-HOUSE	(100)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
HIGH TEMPERATURE AUTOCLAVE	NIF	1990	820
HIGH TEMPERATURE COATING EQUIPMENT	NIF	1990	290
ULTRASTRUCTURES LABORATORY EQUIPMENT	NIF	1990	830
		TOTAL	1,940

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL EDUCATION AND TRAINING CENTER,
NEWPORT, RHODE ISLAND

4. COMMAND

CHIEF OF NAVAL
EDUCATION AND TRAINING

5. AREA CONSTR COST INDEX

1.16

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	774	3507	4076	1200	900	0	5	145	0	10607
b. END FY 1995	770	3455	4076	1200	900	0	7	125	0	10533

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,200)
b. INVENTORY TOTAL AS OF 30 SEP 89	155,180
c. AUTHORIZATION NOT YET IN INVENTORY	50,170
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,230
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	28,205
g. REMAINING DEFICIENCY	65,670
h. **GRAND TOTAL**	308,955

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
822.12	STEAM DISTR SYSTEM UPGRADE	LS	6,230	04/89	08/90
	TOTAL		6,230		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

813.20	ELEC DIST SYS UPGRD-PH II	LS	3,500	-	-
	TOTAL		3,500		

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	ADMINISTRATIVE OFFICE	35,660	SF	5,200
721.11	BACHELOR ENLISTED QUARTERS	56,240	SF	6,300
730.15	BRIG	31,330	SF	5,910
740.74	CHILD DEVELOPMENT CENTER	11,850	SF	2,100

10. MISSION OR MAJOR FUNCTIONS:

Administer schools which provide a source from which qualified commissioned and warrant officers may be prepared for military service, and train Navy enlisted and foreign officer candidates.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A: POLLUTION ABATEMENT	90
B: INSTALLATION RESTORATION	31,210
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND	4. PROJECT TITLE STEAM DISTRIBUTION SYSTEM UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	822.12	P-146	6,230

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STEAM DISTRIBUTION SYSTEM UPGRADE	LS	-	-	4,840
SUPPORTING FACILITIES	-	-	-	760
PAVING AND SITE IMPROVEMENT	LS	-	-	(610)
ASBESTOS REMOVAL	LS	-	-	(150)
SUBTOTAL	-	-	-	5,600
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST	-	-	-	5,880
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	350
TOTAL REQUEST	-	-	-	6,230
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Install steam distribution and condensate return lines providing loop system; repair or replace existing piping as required; install two condensate pumping stations; upgrade thermal insulation on 24,600 lineal feet of existing steam distribution pipe and 11,050 lineal feet of existing condensate pipe; install nine steam and condensate flow meters; asbestos removal.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Installs steam distribution and condensate return lines, condensate pumping stations, thermal insulation, and flow meters. (Current mission.)

REQUIREMENT:

Adequate steam distribution system to correct existing deficiencies in the steam heating system, improve system efficiency through reduced heat loss, and provide more reliable and efficient building heat.

CURRENT SITUATION:

Building heat is presently provided from boiler plants, and manpower limitations allow the operation of only one plant. Certain areas of the base are served from a radial distribution system subject to an unnecessarily high risk of shutdown. Heat losses from the steam distribution piping are currently excessive because of inadequate insulation.

IMPACT IF NOT PROVIDED:

The steam distribution system will have a continued risk of major outages, lack of reliability, and a high operating cost. Planned savings of fuel oil will not be attained.

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND

4. PROJECT TITLE

STEAM DISTRIBUTION SYSTEM UPGRADE

5. PROJECT NUMBER

P-146

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 50
(C) DATE DESIGN 35% COMPLETE 10-89
(D) DATE DESIGN COMPLETE 08-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E) ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (180)
(B) ALL OTHER DESIGN COSTS . . . . (205)
(C) TOTAL 385
(D) CONTRACT . . . . (335)
(E) IN-HOUSE . . . . (50)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONST COST INDEX .93

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	56	373	484	0	33	0	264	2783	265	4258
b. END FY 1995	64	389	455	0	80	0	318	2694	146	4146

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(10,558)	
b. INVENTORY TOTAL AS OF 30 SEP 89		109,870
c. AUTHORIZATION NOT YET IN INVENTORY		9,910
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		9,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,200
g. REMAINING DEFICIENCY		7,160
h. **GRAND TOTAL**		157,340

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	72,410 SF	6,700	06/86	03/90
	TOTAL		6,700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

141.70	AIR TRAFFIC CTRL TOWER	9,980 SF	2,600	-	-
721.12	BACH ENLISTD QTRS PH II	72,410 SF	6,900	-	-
	TOTAL		9,500		

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BEQ (PHASE III)	93,480 SF	8,900
211.10	ACFT ACOUSTICAL ENCL	LS	5,300

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities to support flight operations; operation and maintenance of assigned aircraft; and provide services and material to support operations of a Marine Aircraft Wing and/or units thereof; and other activities and units as designated by the Commandant of the Marine Corps, in coordination with the Chief of Naval Operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	70
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 **MILITARY CONSTRUCTION PROGRAM**		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA		4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-366	8. PROJECT COST ($000) 6,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	74,800	70.00	5,240
SUPPORTING FACILITIES	-	-	-	780
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(320)
UTILITIES	LS	-	-	(250)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(210)
SUBTOTAL	-	-	-	6,020
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST	-	-	-	6,320
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	380
TOTAL REQUEST	-	-	-	6,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story masonry load-bearing wall building, pile foundation, concrete floors, built-up roof, fire protection system, sound attenuation, air conditioning, utilities: 94 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; demolition of one building. Grade mix: 264 E1-E4, 48 E5, 4 E6-E9. Total: 316

11. REQUIREMENT: 1,529 PN ADEQUATE: 590 PN SUBSTANDARD: 0 PN

PROJECT:

Provides adequate billeting for 316 enlisted personnel. (Current mission.)

REQUIREMENT:

Adequate living quarters for enlisted personnel in grades E1-E9 assigned to this air station as permanent support.

CURRENT SITUATION:

Sixty-three percent of the single enlisted Marines at Beaufort are billeted in substandard quarters that do not meet DOD habitability requirements.

IMPACT IF NOT PROVIDED:

Adequate billeting will not be available for all enlisted personnel. Marines will continue to occupy inadequate housing and endure a low standard of habitability. This adversely impacts on recruitment and retention of Marines in an all-volunteer environment. The health and morale of Marines occupying substandard quarters is further accentuated when they work with other Marines who occupy quarters that meet standards of adequacy.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-366

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	03-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(210)
(B) ALL OTHER DESIGN COSTS	(40)
(C) TOTAL	250
(D) CONTRACT	(40)
(E) IN-HOUSE	(210)

(4) CONSTRUCTION START . . . 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION,
CHARLESTON, SOUTH CAROLINA

4. COMMAND

COMMANDER IN CHIEF,
ATLANTIC FLEET

5. AREA CONST COST INDEX

.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1826	18269	500	0	0	0	106	538	0	21239
b. END FY 1995	1575	16527	500	0	0	0	112	611	0	19325

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NB	
b. INVENTORY TOTAL AS OF 30 SEP 89		123,460
c. AUTHORIZATION NOT YET IN INVENTORY		15,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		720
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		90,760
f. PLANNED IN NEXT THREE PROGRAM YEARS		107,750
g. REMAINING DEFICIENCY		91,480
h. **GRAND TOTAL**		429,720

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	PASS OFFICE ADDITION	LS	720	04/89	07/89
	TOTAL		720		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92):				
213.58	BOAT SHOP	10,100 SF	1,500	10/88	09/89
690.30	CLASSIFIED DESTRUCTION FAC	LS	430	-	-
730.10	FIRE STATION	LS	830	-	-
151.20	SUBMARINE BERTHING	LS	88,000	-	-
	TOTAL		90,760		
	B. MAJOR PLANNED NEXT THREE YEARS				
721.11	BACHELOR ENLISTED QUARTERS	129,080 SF	15,400		

10. MISSION OR MAJOR FUNCTIONS

The station piers are homeport to approximately 47 Atlantic Fleet ships, including destroyers and frigates, attack submarines and support ships. The station hosts the Mine Warfare Command, Reserve Mine Squadron, and Shore Intermediate Maintenance Activity, and supports the adjacent shipyard.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A: POLLUTION ABATEMENT	40
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION,
CHARLESTON, SOUTH CAROLINA

4. COMMAND

NAVAL SEA SYSTEMS
COMMAND

5. AREA CONSTR COST INDEX

.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	175	2436	1087	80	320	0	9	27	0	4134
b. END FY 1995	188	2760	1164	208	736	0	19	47	0	5142

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(17,494)
b. INVENTORY TOTAL AS OF 30 SEP 89	177,460
c. AUTHORIZATION NOT YET IN INVENTORY	51,150
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	27,030
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	23,240
f. PLANNED IN NEXT THREE PROGRAM YEARS	46,720
g. REMAINING DEFICIENCY	40,580
h. **GRAND TOTAL**	366,180

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.72	MISSILE MAGAZINE	9,600	SF	1,910	03/89	06/90
159.64	PROPULSION TRNG FACILITY	LS		25,120	05/89	06/90
	TOTAL			27,030		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

860.20	BARRICADED RAILRD SIDINGS	LS		11,500	11/88	01/90
421.22	HIGH EXPLOSIVE MAGAZINE	5,480	SF	2,100	-	-
216.40	SEALANCE MISSL MAINT FAC	31,100	SF	7,640	11/88	01/90
421.72	TOMAHAWK MISSILE MAGAZINES	9,600	SF	2,000	-	-
	TOTAL			23,240		

B. MAJOR PLANNED NEXT THREE YEARS:

843.10	FIRE PROTECTION PIPELINE	LS	720

10. MISSION OR MAJOR FUNCTIONS:

Receive, reissued, and maintain guided missiles, anti-submarine weapons conventional ammunition, and operate and maintain a family housing complex with community support facilities.

Provide logistic and port terminal services in support of two ammunition ships (AE), one SSBN tender (AS), one floating dry dock (ARDM) and two moored training ships. POMFLANT Charleston.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	1,600
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA		4. PROJECT TITLE MISSILE MAGAZINE	
5. PROGRAM ELEMENT 0702031N	6. CATEGORY CODE 421.72	7. PROJECT NUMBER P-784	8. PROJECT COST ($000) 1,910

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE MAGAZINE	SF	9,600	110.00	1,060
SUPPORTING FACILITIES	-	-	-	650
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(300)
UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
SUBTOTAL	-	-	-	1,710
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,800
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST	-	-	-	1,910
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-earth covered reinforced concrete five-bay magazine, reinforced concrete floor on pile foundation, 25-foot wide hardened doors, loading dock, security lighting, lightning protection, loading apron, access road, fire protection and alarm system, provision for intrusion detection system, utilities

11. REQUIREMENT: 27,600 SF ADEQUATE: 18,000 SF SUBSTANDARD: 0 SF

PROJECT:

Provides one magazine for TOMAHAWK missiles. (Current mission)

REQUIREMENT:

Adequate storage for TOMAHAWK cruise missiles including the proper level of environmental and security protection. This station is tasked with processing TOMAHAWK missiles starting in 1989 to include contractor delivery, maintenance, issue, fleet return and shipment operations. The missiles are normally stored in their shipping containers in an "All-Up-Round" configuration. Requirement for one magazine is based on projected workload and procurement schedules. Additional magazines will be requested in the future, based on the growing TOMAHAWK inventory needed to support the fleet at Charleston.

CURRENT SITUATION:

No existing magazines are available for storage of TOMAHAWK missiles at Charleston because of support to ammunition ships homeported and the increasing numbers of off-loads and on-loads for combatants. The liquid fueled TOMAHAWK is not compatible for storage with other weapon systems, making it necessary to have a separate dedicated magazine. Prior to completion of this magazine, temporary storage of the missiles will be in truck holding areas resulting in reduced security and environmental protection.

IMPACT IF NOT PROVIDED:

Insufficient storage for TOMAHAWK weapons could affect readiness and security of missiles and result in increased maintenance requirements.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA

4. PROJECT TITLE

MISSILE MAGAZINE

5. PROJECT NUMBER

P-784

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	60
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(60)
(B) ALL OTHER DESIGN COSTS	(20)
(C) TOTAL	80
(D) CONTRACT	(10)
(E) IN-HOUSE	(70)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**
2. DATE	

3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA	4. PROJECT TITLE PROPULSION TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	159.64	P-869	25,120

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROPULSION TRAINING FACILITY	LS	-	-	15.080
BUILDING	SF	79,000	86.00	(6.790)
PIER	LS	-	-	(2.490)
SPECIAL MARINE MOORINGS	LS	-	-	(1.300)
BUILT-IN EQUIPMENT	LS	-	-	(4.500)
SUPPORTING FACILITIES	-	-	-	7.490
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(2.540)
ELECTRICAL UTILITIES	LS	-	-	(1,820)
MECHANICAL UTILITIES	LS	-	-	(330)
PAVING AND SITE IMPROVEMENT, DREDGING	LS	-	-	(2,800)
SUBTOTAL	-	-	-	22.570
CONTINGENCY (5%)	-	-	-	1,130
TOTAL CONTRACT COST	-	-	-	23.700
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	1.420
TOTAL REQUEST	-	-	-	25.120
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(220.000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story building, high-bay area, concrete floors, pile foundations, high-strength concrete walls, built-up roof, classrooms, radiological systems and work areas, fire protection system, air conditioning, utilities; 35-feet wide berthing pier and 28-feet wide approach pier each 300-feet long, expansion of existing berthing pier to 35-feet wide, reinforced concrete pier deck on prestressed concrete piling and concrete caps; mooring systems; fire protection system, dredging, roads, parking.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides facilities to accommodate a second moored training ship (MTS) and associated students, staff, and support facilities for training naval nuclear propulsion plant operators. (Current mission).

REQUIREMENT:

The second MTS and supporting facilities are required to meet fleet needs for trained and qualified nuclear propulsion plant operators. Such needs cannot be accommodated by available Department of Energy reactor plant prototypes and the first MTS.

CURRENT SITUATION:

No alternate facilities are available to support the second MTS. The planned site at this station is the optimal site considering security, safety and accessibility requirements, as well as efficiencies gained by operating the first and second MTS at the same site.

IMPACT IF NOT PROVIDED:

The Navy could not meet fleet needs for properly trained and qualified reactor plant operators required for manning nuclear powered ships. The nuclear powered fleet comprises over 40 percent of the Navy's combatants and the entire sea-going arm of U.S. strategic forces.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA

4. PROJECT TITLE

PROPULSION TRAINING FACILITY

5. PROJECT NUMBER

P-869

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO Y

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(1,000)
(B) ALL OTHER DESIGN COSTS	(700)
(C) TOTAL	1,700
(D) CONTRACT	(1,500)
(E) IN-HOUSE	(200)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
CONVERSION OF SSBN TO MTS	SCN	1990	220,000
		TOTAL	220,000

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS RECRUIT DEPOT,
PARRIS ISLAND, SOUTH CAROLINA

4. COMMAND

COMMANDANT OF THE
MARINE CORPS

5. AREA CONSTR COST INDEX

.93

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	214	1847	721	0	4680	0	0	0	0	7462
b. END FY 1995	310	2023	762	0	5120	0	0	0	0	8215

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,080)	
b. INVENTORY TOTAL AS OF 30 SEP 89		112,980
c. AUTHORIZATION NOT YET IN INVENTORY		4,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,410
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,300
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		39,230
h. **GRAND TOTAL**		167,540

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730.42	CLOTHING ISSUE BUILDING	35,600 SF	3,410	05/89	06/90
	TOTAL		3,410		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

610 72	BATTALION OPS CENTER	15,390 SF	2,200	-	-
179.55	COMBAT TRNG POOL/TANK	LS	3,900	-	-
730.20	SECURITY HEADQUARTERS	6,510 SF	1,200	-	-
	TOTAL		7,300		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

To exercise operational control of enlisted recruiting operations in the 1st, 4th, and 6th Marine Districts through screening, evaluation, verification, and field supervision; to provide guidance and direction on quality control matters for all east coast enlisted accessions in accordance with standards established by CMC; to provide reception processing and recruit training for enlisted personnel upon their initial entry into the Marine Corps; to provide training of recruits; to conduct schools as directed; to provide rifle and pistol marksmanship training for Marines stationed in the southeast and for personnel of other services as requested; and to conduct training for reserve Marines as directed.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	150
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA	4. PROJECT TITLE CLOTHING ISSUE BUILDING

5. PROGRAM ELEMENT 0805796M	6. CATEGORY CODE 730.42	7. PROJECT NUMBER P-118	8. PROJECT COST ($000) 3.410

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CLOTHING ISSUE BUILDING	SF	35.600	75.00	2.670
SUPPORTING FACILITIES	-	-	-	400
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(110)
UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT	LS	-	-	(220)
SUBTOTAL	-	-	-	3,070
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST	-	-	-	3,220
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	190
TOTAL REQUEST	-	-	-	3,410
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, concrete foundation and floors, engineered fill, masonry walls, single ply roof; staging area; includes space for uniform issue, fitting and marking, alterations, back-up and storage, cash sales, office, and mechanical equipment; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 37,400 SF ADEQUATE: 1,800 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a clothing issue facility. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facility to accommodate functions necessary to alter uniforms for recruit issue and to conduct uniform cash sales to permanent personnel. The recruit uniform issue area must be able to accommodate a 320-man recruit series, and this same requirement exists for the fitting and marking areas. The alteration shop requires an area to support a work force of 55 employees. The cash sales area will service more than 2.500 permanent personnel at Parris Island, and 360 Marines from the Marine Barracks, Charleston. The on-board recruit population varies seasonably between 3.500 and 9.000 people.

CURRENT SITUATION:

Uniforms for recruits and permanent personnel are issued, sold, fitted, and altered in two inadequate, metal buildings. These buildings were constructed in 1952 as warehouses and are virtually uninsulated. Both are cold, and waste heat in the winter, and are unbearably hot in the summer, with temperatures sometimes exceeding 112 degrees F. The design, materials, and construction of these buildings prevent any economical alterations to make them adequate.

IMPACT IF NOT PROVIDED:

Uniforms will continue to be issued and sold in sheet metal warehouses which waste energy, are hot and humid in summer, cold and damp in winter, and have already outlived their useful life expectancy.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA		
4. PROJECT TITLE CLOTHING ISSUE BUILDING		5. PROJECT NUMBER P-118

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(215)
(B) ALL OTHER DESIGN COSTS	(10)
(C) TOTAL	225
(D) CONTRACT	(10)
(E) IN-HOUSE	(215)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL TECHNICAL TRAINING CENTER DETACHMENT
LACKLAND AIR FORCE BASE, TEXAS

4. COMMAND

CHIEF OF NAVAL
EDUCATION AND TRAINING

5. AREA CONSTR COST INDEX

.88

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	0	0	0	0	0	0	0	0	0	0
b. END FY 1995	4	119	46	12	580	110	0	0	0	871

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF LACKLAND
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	16.300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11.850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	28.150

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	144,000 SF	11,850	07/86	10/90
	TOTAL		11,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Train military and civilian personnel in law enforcement, physical security, anti-terrorism and the protection of Navy's assets from theft, sabotage, terrorism, or other losses.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT		2. DATE
NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TECHNICAL TRAINING CENTER DETACHMENT LACKLAND AIR FORCE BASE, TEXAS	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804796N	721.11	P-002	11,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	144,000	65.00	9,360
SUPPORTING FACILITIES.	-	-	-	1,290
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(250)
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(340)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(490)
SUBTOTAL	-	-	-	10,650
CONTINGENCY (5%)	-	-	-	530
TOTAL CONTRACT COST.	-	-	-	11,180
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	670
TOTAL REQUEST.	-	-	-	11,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four three-story reinforced concrete frame buildings with drilled pier foundations, two one-story reinforced concrete frame buildings with concrete mat foundations, concrete floors, masonry walls, standing seam metal roof systems, energy monitoring and control system, fire protection systems, air conditioning, utilities; 171 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; demolition of six buildings. Grade mix: 684 E1-E4. Total: 684.

11. REQUIREMENT: 684 PN ADEQUATE: 0 PN SUBSTANDARD: 0 PN

PROJECT:

Provides adequate billeting for 684 enlisted Navy students assigned to the physical security training center. (Current mission).

REQUIREMENT:

Adequate housing for 684 Navy students undergoing training in physical security. Increasing levels of terrorism and radical activities have dictated improved training in all aspects of security for Naval personnel and Navy assets. Training is planned at this location to take advantage of existing Air Force facilities and courses of instruction in physical security.

CURRENT SITUATION:

The Air Force has no berthing spaces available for Navy use.

IMPACT IF NOT PROVIDED:

Students will not be assigned to the facility, or will be housed in commercial spaces at significantly higher costs. Training capabilities will be derogated and the potential for political embarrassment and significant real damage will continue.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL TECHNICAL TRAINING CENTER DETACHMENT LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-002

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 07-86
(B) PERCENT COMPLETE AS OF JANUARY 1990. 35
(C) DATE DESIGN 35% COMPLETE 11-86
(D) DATE DESIGN COMPLETE 10-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES__ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (560)
(B) ALL OTHER DESIGN COSTS . . . . (125)
(C) TOTAL. 685
(D) CONTRACT . . . . (600)
(E) IN-HOUSE . . . . (85)

(4) CONSTRUCTION START. 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONST COST INDEX 1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1278	1223	1551	0	0	0	0	0	0	4052
b. END FY 1995	992	841	1187	0	0	0	0	0	0	3020

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(21)
b. INVENTORY TOTAL AS OF 30 SEP 89	26,980
c. AUTHORIZATION NOT YET IN INVENTORY	3,020
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,810
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,087
g. REMAINING DEFICIENCY	28,400
h. **GRAND TOTAL**	62,297

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.11	LOGISTICS SUPPORT FAC	36,000 SF	2,810	04/89	05/90
	TOTAL		2,810		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	HEADQUARTERS BUILDING	LS	1,087

10. MISSION OR MAJOR FUNCTIONS.

Provide administrative support for: chargeable and attached Marine Corps personnel assigned within the Washington Metropolitan Area to Headquarters Marine Corps, other departments and agencies of the federal government and joint schools; not chargeable and attached to Marine Corps personnel assigned within the Washington Metropolitan Area to duty under instruction, awaiting separation and casuals who are either awaiting assignment or transportation, in a disciplinary status, or who are hospitalized; provide administrative use aircraft support for the Commandant of the Marine Corps and a aircraft support for proficiency flying requirements; provide administrative use motor vehicle and traffic management (freight and household goods) advisory support for Headquarters Marine Corps; and provide Marine Corps security forces for the Navy Department in the Washington Metropolitan Area.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA	4. PROJECT TITLE LOGISTICS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901296M	441.11	P-006	2,810

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LOGISTICS SUPPORT FACILITY	SF	36,000	-	1,740
BUILDING	SF	36,000	44.00	(1,580)
BUILT-IN EQUIPMENT	LS	-	-	(160)
SUPPORTING FACILITIES	-	-	-	790
ELECTRICAL UTILITIES	LS	-	-	(370)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(220)
SUBTOTAL	-	-	-	2,530
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST	-	-	-	2,660
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	150
TOTAL REQUEST	-	-	-	2,810
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame warehouse building, concrete foundation and floor, masonry walls, built-up roof, 18-foot stacking height, elevator, electronic utility monitoring system, special security areas, loading docks, vehicle wash platform, forklift charging station, rack-mounted fire protection system, air conditioning, utilities.

11. REQUIREMENT: 36,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs storage facilities to house and consolidate logistics service support for headquarters Marine Corps organizations and assigned military personnel in the Washington Capital Region. (Current mission.)

REQUIREMENT:

Adequate facilities to execute the Marine Corps mission of Headquarters Battalion in the Washington DC area as regards organic supply and warehousing functions. Modernization and upgrading of Henderson Hall (HH) facilities commenced in 1980 and is on-going. This project complements the previous project and sustains steady progress toward coversion of HH into a modern, efficient installation capable of collectively satisfying the ever-escalating service needs of Headquarters Marine Corps and manifesting the high standards of the Corps to the public.

CURRENT SITUATION:

Existing facilities are inadequate, unsafe, inefficient, and uneconomical to operate given present mission demands and anticipated future contingencies.

IMPACT IF NOT PROVIDED:

Supply and warehouse mission effectiveness will be seriously impaired. Degraded support capabilities of HH. Increased costs and inefficiencies will be experienced as a result of warehouse space leasing, detached operations, and facility upgrades to comply with fire and safety standards in existing facilities.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA

4. PROJECT TITLE

LOGISTICS SUPPORT FACILITY

5. PROJECT NUMBER

P-006

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 90
(C) DATE DESIGN 35% COMPLETE 11-89
(D) DATE DESIGN COMPLETE 05-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (220)
(B) ALL OTHER DESIGN COSTS . . . . (60)
(C) TOTAL 280
(D) CONTRACT . . . . (265)
(E) IN-HOUSE . . . . (15)

(4) CONSTRUCTION START 04-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA	4. COMMAND CHIEF OF NAVAL OPERATIONS	5. AREA CONST COST INDEX .92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	21	30	139	0	0	0	0	0	0	190
b. END FY 1995	20	56	139	0	0	0	0	0	0	215

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,213)	
b. INVENTORY TOTAL AS OF 30 SEP 89		13,360
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		900
h. **GRAND TOTAL**		24,110

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.17	SPACE SURVEILLANCE CTR	60,760 SF	9,850	03/89	02/90
	TOTAL		9,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS

To maintain a constant surveillance of space and provide satellite data as directed by the CNO and higher authority to fulfill Navy and National requirements

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA	4. PROJECT TITLE SPACE SURVEILLANCE CENTER

5. PROGRAM ELEMENT 0102427N	6. CATEGORY CODE 143.17	7. PROJECT NUMBER P-249	8. PROJECT COST ($000) 9,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SPACE SURVEILLANCE CENTER	SF	60,760	-	7,800
BUILDING	SF	60,760	90.00	(5,470)
BUILT-IN EQUIPMENT	LS	-	-	(2,330)
SUPPORTING FACILITIES	-	-	-	1,050
ELECTRICAL UTILITIES	LS	-	-	(490)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT	LS	-	-	(440)
SUBTOTAL	-	-	-	8,850
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,290
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	560
TOTAL REQUEST	-	-	-	9,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(23,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, reinforced concrete spread foundation, concrete floors, masonry walls with brick facing, insulated built-up roof, TEMPEST shielding, high-altitude electromagnetic pulse (HEMP) protected core, computer flooring, elevator, emergency generators, electric power substation, fire protection system, utilities, air conditioning; several areas constructed to Secret Compartmented Information Facility (SCIF) standards; chilled demineralized water system.

11. REQUIREMENT: 60,760 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a space surveillance center including an alternate space defense operation's center (ASPADOC). (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities to accommodate a constant surveillance of space and to provide satellite data to fulfill Navy and national requirements. The Naval Space Surveillance System (NAVSPASUR) supports the operating forces by providing orbital elements, vulnerability data, operational intelligence, and other space-object related information to fleet units. NAVSPASUR also supports the Space Command (SPACECOM), Space Defense Operations Center (SPADOC), by serving as the alternate Space Surveillance Center (SSC) capable of providing the full range of SSC products, functions, and responsibilities, operating and maintaining in-house computer facilities required to perform orbital and celestial mechanics computations, operating a telecommunications center, operating a Space Intelligence Communications (SPINTCOMM) Center to provide special purpose communication services.

CURRENT SITUATION:

NAVSPASUR occupies grossly overcrowded, non-contiguous spaces on three different levels of a building constructed in 1941. A waiver for automated data processing (ADP) security is currently in force to permit classified ADP operations. The area immediately surrounding the building

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA

4. PROJECT TITLE

SPACE SURVEILLANCE CENTER

5. PROJECT NUMBER

P-249

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

has become the center of the host's personnel support complex. Expansion of the building is not practical and prohibitively expensive modifications would be necessary to accommodate the planned assumption of information processing at classification levels above SECRET. Additionally, NAVSPASUR requires and will receive new computer equipment in 1993 and 1994, and modernized graphic displays and operations consoles to enhance command and control functions. NAVSPASUR has been assigned new mission functions resulting in an approved personnel growth from 144 to 201 by 1991. This increase in staff cannot be accommodated in the present inadequate facilities.

IMPACT IF NOT PROVIDED:

NAVSPASUR will continue to carry out its present missions in overcrowded, inefficient, and inadequate spaces with a continuing security risk. NAVSPASUR will be unable to carry out the current SPADOC mission or the new classified missions. Significant fleet support capabilities and opportunities will be lost.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 90
(C) DATE DESIGN 35% COMPLETE 11-89
(D) DATE DESIGN COMPLETE 02-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (225)
(B) ALL OTHER DESIGN COSTS . . . . (175)
(C) TOTAL 400
(D) CONTRACT . . . . (350)
(E) IN-HOUSE . . . . (50)

(4) CONSTRUCTION START 04-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS.

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
MISCELLANEOUS TECHNICAL AND OPERATIONAL INTELLIGENCE COMMUNICATIONS EQUIPMENT	OPN	1992 - 1994	23,000
		TOTAL	23,000

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACT
DAM NECK, VIRGINIA

4. COMMAND

NAVAL SEA SYSTEMS
COMMAND

5. AREA CONST COST INDEX

.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	42	72	240	0	0	0	14	27	0	395
b. END FY 1995	38	79	240	0	0	0	14	27	0	398

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF FCTCLANT
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY.	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	6,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.40	COMPUTER PROG OPS CTR ADDN	43,820 SF	6,500	05/89	06/90
	TOTAL		6,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

To plan, design, construct, and test and deliver Combat Direction System tactical computer programs for the Operating Forces; to correct, update, modify, enhance and distribute operational and training programs in accordance with evolving fleet requirements; to provide ancillalry computer programs in support of computer program development and maintainence; and to provide tecnnical assistance and computer programs to the Shore Establishment

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**		2. DATE
3. INSTALLATION AND LOCATION FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACT DAM NECK, VIRGINIA		4. PROJECT TITLE COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION	
5. PROGRAM ELEMENT 0702896N	6. CATEGORY CODE 143.40	7. PROJECT NUMBER P-983	8. PROJECT COST ($000) 6.500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPUTER PROGRAMMING OPS CENTER ADDITION	SF	43.820	-	5.090
BUILDING ADDITION	SF	43.820	74.00	(3.240)
BUILT-IN EQUIPMENT	LS	-	-	(1.850)
SUPPORTING FACILITIES	-	-	-	750
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(280)
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	5.840
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST	-	-	-	6.130
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	370
TOTAL REQUEST	-	-	-	6.500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(20.000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame and masonry building addition, pile foundation, built-up roofing, computer flooring, emergency generator, grounding, radio frequency shielding, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 116.420 SF ADEQUATE: 72.600 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs addition to computer programming operations center. (Current mission.)

REQUIREMENT:

Adequate space to house additional equipment and personnel in support of the growing number of ships to be equipped with advanced combat direction systems by 1990. Presently, about 500 advanced combat direction systems are operational. Ultimately, some 650 advanced combat direction and related systems will be supported on ships, aircraft, and submarines. Surface systems include guided missile cruisers, destroyers, frigates, and battleships. Air tactical data systems include the carrier based anti-submarine warfare module and the LAMPS MK III helicopter. Related combat systems include AEGIS, Tactical Data Link, Battle Group Anti-Air Warfare, Ada language system, and the latest mainframe and mini-tactical computers. Additional space is required to design, test, maintain, and deliver to the fleet the tactical operations computer programs for these systems.

CURRENT SITUATION:

Available space and facilities are marginal for operation and support of the computers, peripherals, and other equipment currently installed in the central computer complex and cannot accommodate the increase in advanced combat direction system equipped ships and aircraft. Off-station leasing of commercial space is not an alternative because it is prohibitively expensive when properly-configured and equipped with required security features.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACT DAM NECK, VIRGINIA

4. PROJECT TITLE

COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION

5. PROJECT NUMBER

P-983

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED:

Space will not be available for the installation and support of equipment required prior to introduction of new or modified combat direction systems into the fleet. Limited level of support for this vital function will have adverse impact on the operational readiness and combat capability of Navy's aircraft and ships.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990 55
(C) DATE DESIGN 35% COMPLETE 08-89
(D) DATE DESIGN COMPLETE 08-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (300)
(B) ALL OTHER DESIGN COSTS . . . . (120)
(C) TOTAL 420
(D) CONTRACT . . . . (380)
(E) IN-HOUSE . . . . (40)

(4) CONSTRUCTION START 03-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ACDS MINI-COMPUTER AND HIGH SPEED DIGITAL SWITCH	OPN	1988	2.000
STANDARD SIMULATION SYSTEMS	OPN	1989 - 1990	3.800
ACDS/SHARE/43 PERIPHERALS	OPN	1989 - 1993	6.200
AN/UYK-43 COMPUTER SYSTEMS, PERIPHERALS	OPN	1988 - 1992	6.500
UNINTERRUPTIBLE POWER SYSTEM	OPN	1990	1.500
		TOTAL	20.000

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE.
LITTLE CREEK, VIRGINIA

4. COMMAND

COMMANDER IN CHIEF,
ATLANTIC FLEET

5. AREA CONST COST INDEX

.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1203	10779	810	209	1453	0	57	429	0	14940
b. END FY 1995	1165	10500	810	200	1675	0	57	431	0	14838

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(11,804)
b. INVENTORY TOTAL AS OF 30 SEP 89	186,190
c. AUTHORIZATION NOT YET IN INVENTORY.	66,270
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	20,470
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,700
f. PLANNED IN NEXT THREE PROGRAM YEARS	17,770
g. REMAINING DEFICIENCY.	44,500
h. **GRAND TOTAL**	346,900

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
213.75	LCAC COMPLEX (INCR II)	LS	12,460	04/89	10/90
217.10	SURTASS SUPPORT CENTER ADN	64,820 SF	8,010	05/89	07/90
	TOTAL		20,470		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

155.20	LCAC (PH III)	50,380 SF	7,900	-	-
171.50	SMALL ARMS RANGE	LS	3,800	-	-
	TOTAL		11,700		

B. MAJOR PLANNED NEXT THREE YEARS:

721.12	BACHELOR ENLISTED QUARTERS	118,080 SF	6,600
740.74	CHILD DEVELOPMENT CENTER	14,530 SF	1,500
843.10	FIRE PROTECTION SYSTEM	LS	650
843.10	FIRE PROTECTION SYSTEM	LS	650

10. MISSION OR MAJOR FUNCTIONS:

Serves as the east coast operational base for amphibious ships and units of the Atlantic Fleet Surface Force. Furnish homeport berthing, training, maintenance, personnel and support services. Support annual training exercises.

LST and LSD Class Vessels	Amphibious Construction Battalion
Special Warfare Group Two	Amphibious School
Beach Group Two	Service Squadron Eight
Explosive Ordnance Disposal Group Two	
School of Music	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	13,730
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	4. PROJECT TITLE LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)

5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 213.75	7. PROJECT NUMBER P-337	8. PROJECT COST ($000) 12,460

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LANDING CRAFT AIR CUSHION COMPLEX	LS	-	-	5,200
MAINTENANCE BAY	SF	25,200	64.00	(1,610)
GENERAL WAREHOUSE	SF	27,000	42.00	(1,130)
GRND SUPPT EQUIP STORAGE AND MAINT GARAGE	LS	-	-	(320)
SOLID WASTE TREATMENT FACILITY	LS	-	-	(460)
BUILT-IN EQUIPMENT	LS	-	-	(1,680)
SUPPORTING FACILITIES	-	-	-	6,000
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(160)
UTILITIES	LS	-	-	(1,140)
PAVING AND SITE IMPROVEMENT	LS	-	-	(4,700)
SUBTOTAL	-	-	-	11,200
CONTINGENCY (5%)	-	-	-	560
TOTAL CONTRACT COST	-	-	-	11,760
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	700
TOTAL REQUEST	-	-	-	12,460
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

General: Maintenance bay, general warehouse, grounds support equipment storage and maintenance garage, communications security vault, all have structural steel frames, masonry bearing walls, concrete foundations and floors, metal deck roof: Solid Waste Treatment Facility (SWTF) is a two-story pile supported steel frame building, masonry walls, concrete foundations and floors, metal deck roofs.

Maintenance Bay: Fire protection system, provisions for intrusion detection system, communications system, compressed air system, ventilation, 400 Hz electric power, utilities.

General Warehouse: Fire protection system, ventilation, air conditioning, utilities.

Solid Waste Treatment Facility: Fire protection system, ventilation, utilities.

Ground Support Equipment Maintenance Garage and Storage: Fire protection system, cranes and hoists, ventilation, utilities.

Communications Security Vault: Fire protection system, communications system, radio frequency shielding, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides complete and usable operational, maintenance, and support facilities capable of supporting the second increment of 12 Landing Craft Air Cushion (LCAC) vehicles scheduled for arrival in the early 1990's. (New mission.)

REQUIREMENT:

The LCAC is an advanced landing craft that rides on a cushion of air and is capable of delivering personnel and equipment over sea and land. They are high-speed vehicles not restricted by surf and beach conditions and capable of lifting heavy equipment such as battle tanks across the beach from amphibious well-deck ships lying over-the-horizon. LCAC's are highly complex craft powered by four marine gas turbine engines and require unique maintenance and support facilities not available outside

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA		
4. PROJECT TITLE LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)		5. PROJECT NUMBER P-337

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)
the LCAC complex. There were delays in the initial development of the LCAC causing a delivery slip. However, operational tests and evaluation reports indicate that the LCAC's can now meet mission specifications. Congress has approved the first thirty craft through FY 1986. Eighteen more were included in the FY 1988/1989 biennial budget. Delivery of the first twelve craft to Little Creek began in 1987. Facilities to support this first delivery were completed in early 1987. Facilities are required to support the second increment of twelve craft. Ultimate base development is planned to support 53 craft with additional facility increments planned for the mid-1990's. This project will provide an additional maintenance bay capable of housing two of the large (87'x47'x23' high) craft. The bay will be constructed adjacent to the existing maintenance bay and shops. This project will also provide a warehouse, ground support equipment shed, solid waste transfer station, and additional taxiways and parking aprons.

CURRENT SITUATION:
An LCAC support complex was started on an undeveloped parcel of land using FY 1985 Military Construction Funds. The first increment is complete and will support the first twelve craft. The completed facilities include a maintenance bay, maintenance shops, parking apron, taxiway to the water, control tower, operations facilities, noise suppressing earth berms, and wash rack. The first eight LCAC's have been delivered with the remaining four of the first squadron expected by 1990. The existing facilities can only accommodate twelve craft. Additional facilities are necessary for the remaining 41 craft. Construction has been programmed in increments tied to the delivery of the craft.

IMPACT IF NOT PROVIDED:
Maintenance and parking facilities will not be available for a second increment of twelve LCAC landing craft. Warehouse facilities for the whole complex will not be available.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	08-89
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(400)
(B) ALL OTHER DESIGN COSTS	(200)
(C) TOTAL	600
(D) CONTRACT	(540)
(E) IN-HOUSE	(60)

(4) CONSTRUCTION START . . . . . 01-91 (MONTH AND YEAR)

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)	5. PROJECT NUMBER P-337

12. SUPPLEMENTAL DATA: (CONTINUED)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT		2. DATE
NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	SURTASS SUPPORT CENTER ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	217.10	P-418	8,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURTASS SUPPORT CENTER ADDITION	SF	64,820	-	6,170
BUILDING ADDITION	SF	63,380	88.00	(5,580)
PUBLIC WORKS SHOP	SF	840	55.00	(50)
FUEL FARM STORAGE	SF	600	55.00	(30)
BUILT-IN EQUIPMENT	LS	-	-	(510)
SUPPORTING FACILITIES	-	-	-	1,030
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(210)
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(540)
SUBTOTAL	-	-	-	7,200
CONTINGENCY (5%)	-	-	-	360
TOTAL CONTRACT COST	-	-	-	7,560
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	450
TOTAL REQUEST	-	-	-	8,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, pile and grade beam foundation, concrete flooring, elastomeric membrane roofing, pre-cast concrete exterior walls, provisions for intrusion detection system, 400 Hz electric power, bridge cranes, radio-frequency shielding, air conditioning, vaults, test tank enclosures, grounding; two one-story masonry buildings, concrete foundations and floors, shingle roofs, mechanical ventilation; fire protection system, utilities; demolition of two buildings.

11. REQUIREMENT: 110,240 SF ADEQUATE: 45,420 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an addition to the Surveillance Towed Array Sensor System (SURTASS) support center for increased support functions to accommodate existing and additional programmed Atlantic Fleet SURTASS ships homeported at Little Creek. (New mission.)

REQUIREMENT:

Adequate facilities to support SURTASS ships deployed in the Atlantic area. The SURTASS data is sent via satellite link to shore facilities for processing and further transmission to ASW forces. Raw data can also be sent to ASW ships in the area. The SURTASS array is a flexible, tube-like structure containing numerous hydrophones towed with a 6,000-foot cable. The array generates data at a very high rate. On-board processors lower the rate before transmission to satellites. The ships are 224-feet long and are manned by civilian crews and Navy technicians. The acquisition of the ships was slowed in the early 1980's because of fiscal constraints, but is now on track with the next ten of sixteen authorized. The number of homeported ships assigned to Little Creek will increase from six to fourteen. The other ships will be homeported at Pearl Harbor, HI. Required shore support functions include training, equipment storage and maintenance, large lay-down areas for the towed array, cable repair and storage areas, water tank test areas, and administrative office and personnel areas. Additional shore facility support functions not originally envisioned, such as satellite data

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA		
4. PROJECT TITLE SURTASS SUPPORT CENTER ADDITION		5. PROJECT NUMBER P-418

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

links, have been assigned and the number of support personnel has been increased, requiring more facility space.

CURRENT SITUATION:

The existing facility constructed in 1985 was designed to support six SURTASS ships. The SURTASS concept has proven to be more successful than planned and the roles and missions of the SURTASS ships have been expanded. This requires more shore support than the original concept called for in the FY 1984 MILCON project. The existing facility is not large enough to accommodate support functions for the additional eight ships and the new missions and personnel assigned to the SURTASS program. The eight additional ships are either currently under design or construction contract. The ships will not only increase in number, but in the amount of complex equipment they carry. The shore support facilities need to be capable of handling four ships in port at one time. Each ship is expected to spend approximately 15 days in port between 60-day deployments. Little Creek is the only Atlantic Fleet SURTASS homeport and provides all shore support. No other facilities exist at Little Creek that can support the new facilities requirement.

IMPACT IF NOT PROVIDED:

Facilities will not be available to support the expanded SURTASS program. Ships will be delayed in port because of the inability of the shore complex to get them ready for deployment. Ship readiness will be degraded with the potential of not being available to the fleet to fill gaps in its underwater surveillance system.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	07-90
(2) BASIS:	
(A) STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(255)
(B) ALL OTHER DESIGN COSTS	(110)
(C) TOTAL	365
(D) CONTRACT	(330)
(E) IN-HOUSE	(35)
(4) CONSTRUCTION START	03-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR COST INDEX .92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	28	140	14	40	300	0	0	0	0	522
b. END FY 1995	28	140	14	40	300	0	0	0	0	522

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NAB
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	3,240

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	LCAC TRAINING FAC	11,300 SF	1,800	10/88	10/90
171.20	TRAINING MATERIALS STORAGE	LS	800	10/88	06/90
	TOTAL		2,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide training for active, reserve, and allied military personnel and units to achieve and maintain an optimum state of readiness for amphibious operations. Provide training in shipboard engineering, naval gunfire support, and ship handling.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA	4. PROJECT TITLE LANDING CRAFT AIR CUSHION TRAINING FACILITY

5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 171.35	7. PROJECT NUMBER P-366	8. PROJECT COST ($000) 1,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LANDING CRAFT AIR CUSHION TRAINING FACILITY	SF	11,300	-	1,350
BUILDING	SF	11,300	112.00	(1,270)
BUILT-IN EQUIPMENT	LS	-	-	(80)
SUPPORTING FACILITIES	-	-	-	270
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(80)
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(190)
SUBTOTAL	-	-	-	1,620
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,700
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	100
TOTAL REQUEST	-	-	-	1,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(17,300)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame and masonry building, concrete foundation and floor, built-up roof, computer flooring, two high-bay areas with hoists, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 11,300 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a Landing Craft Air Cushion (LCAC) vehicle training facility. (New mission.)

REQUIREMENT:

Adequate facilities for instructing personnel in the operation and maintenance of LCAC vehicles. These vehicles offer an amphibious assault capability far superior to any previous type. To realize this capability, personnel must be trained to operate and maintain the new craft.

CURRENT SITUATION:

There are no facilities available which can be used for this training. There are three operator and two maintenance courses planned, ranging from four to twelve weeks. Training devices are being procured for operator training. About 100 people will be trained annually. Eight LCAC craft are currently on-station, with a total of 53 craft estimated to be on-station by 1994.

IMPACT IF NOT PROVIDED:

A facility to house the trainers will not be available. LCAC personnel will be limited to on-the-job training. The amphibious assault capabilities of the LCAC will not be fully realized.

(CONTINUED ON DD 1391C)

DD FORM 1391
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE LANDING CRAFT AIR CUSHION TRAINING FACILITY	5. PROJECT NUMBER P-366

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 10-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 60
(C) DATE DESIGN 35% COMPLETE 05-89
(D) DATE DESIGN COMPLETE 10-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO _X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (0)
(B) ALL OTHER DESIGN COSTS . . . . (100)
(C) TOTAL 100
(D) CONTRACT . . . . (20)
(E) IN-HOUSE . . . . (80)

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
LCAC OPERATOR TRAINER, COCKPIT TRAINER	OPN	1989	17,300
		TOTAL	17,300

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION FLEET TRAINING CENTER, NORFOLK, VIRGINIA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR COST INDEX .92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	26	550	35	155	2800	0	0	0	0	3566
b. END FY 1995	26	550	35	155	2800	0	0	0	0	3566

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NS
b. INVENTORY TOTAL AS OF 30 SEP 89	17,210
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,080
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,100
g. REMAINING DEFICIENCY	3,940
h. **GRAND TOTAL**	51,530

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.45	FIRE FIGHTING TRAIN FAC	LS	16,080	12/88	05/90
	TOTAL		16,080		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

171.20	ELECTRICIAN'S INSTRUC BLDG	132,350 SF	12,200	-	-
	TOTAL		12,200		

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	ADMIN SPACE RENOVATION	45,000 SF	2,100

10. MISSION OR MAJOR FUNCTIONS:

Develop and provide training in the operation and maintenance of shipboard systems. Courses include communication, navigation, electrical, electronic, mechanical, propulsion, damage control and fire fighting.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION FLEET TRAINING CENTER, NORFOLK, VIRGINIA	4. PROJECT TITLE FIRE FIGHTING TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	179.45	P-180	16,080

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINING FACILITY	LS	-	-	6,830
SHIP MOCK-UP STRUCTURES	SF	20,180	186.00	(3,750)
FLIGHT DECK MOCK-UP STRUCTURE	SF	14,780	175.00	(2,590)
STORAGE BUILDING	SF	2,500	40.00	(100)
CONTROL AND UTILITIES BUILDING	SF	2,500	112.00	(280)
TECHNICAL OPERATING MANUALS	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	7,620
UTILITIES	LS	-	-	(3,760)
PAVING AND SITE IMPROVEMENT	LS	-	-	(820)
DEMOLITION	LS	-	-	(3,040)
SUBTOTAL	-	-	-	14,450
CONTINGENCY (5%)	-	-	-	720
TOTAL CONTRACT COST	-	-	-	15,170
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	910
TOTAL REQUEST	-	-	-	16,080
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(16,180)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Mock-up structures; reinforced concrete and masonry buildings; concrete foundations and floors; ventilation systems, pollution abatement system, computer flooring, compressed air system, hoists, fuel storage, fire protection system, air conditioning, utilities; demolition of 31 buildings.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs fire fighting training facility for surface, shipboard, and aircraft carrier deck fires. (Current mission.)

REQUIREMENT:

Adequate fire fighting training facilities to accommodate and satisfy a mandatory requirement for all officer and enlisted personnel. Additional practical and theoretical fire fighting training is necessary for personnel assigned to damage control parties. This project will provide facilities for a basic introductory level fire fighting trainer, an advanced level trainer for coordinated fire fighting team practice, and an aircraft carrier flight deck fire fighting trainer. All proposed trainers will be environmentally clean and offer significantly improved levels of training. Instructors can produce fire situations at will on simulators until the proper student response is received.

CURRENT SITUATION:

The existing oil-fired trainers require an extensive amount of time and materials for cleanup and restart between training sessions and are not conducive to team damage control training. They emit large clouds of black smoke and great amounts of particulates to the atmosphere. They do not simulate all potential types of shipboard fires.

IMPACT IF NOT PROVIDED:

Adverse impact on ship's survivability because personnel will not be adequately trained in these valuable skills.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

FLEET TRAINING CENTER, NORFOLK, VIRGINIA

4. PROJECT TITLE

FIRE FIGHTING TRAINING FACILITY

5. PROJECT NUMBER

P-180

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
  (A) DATE DESIGN STARTED 12-88
  (B) PERCENT COMPLETE AS OF JANUARY 1990 80
  (C) DATE DESIGN 35% COMPLETE 07-89
  (D) DATE DESIGN COMPLETE 05-90

(2) BASIS:
  (A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
  (B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
  (A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (0)
  (B) ALL OTHER DESIGN COSTS . . . . (600)
  (C) TOTAL 600
  (D) CONTRACT . . . . (200)
  (E) IN-HOUSE . . . . (400)

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FIRE FIGHTING TRAINERS	OPN-BA7	1992	16,180
		TOTAL	16,180

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, NORFOLK, VIRGINIA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5 AREA CONSTR COST INDEX .92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	3818	50237	1460	53	325	0	375	1953	0	58221
b. END FY 1995	3703	47690	1460	72	434	0	375	1953	0	55687

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (181)	
b. INVENTORY TOTAL AS OF 30 SEP 89	216,580
c. AUTHORIZATION NOT YET IN INVENTORY.	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,310
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,500
g. REMAINING DEFICIENCY.	39,800
h. **GRAND TOTAL**	278,140

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.12	ELECTRIC POWER UPGRADE	LS	10,950	09/85	10/90
	TOTAL		10,950		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92):				
730.15	BRIG RENOVATIONS	67,310 SF	3,800	-	-
151.80	DEPERMING PIER	800 FB	4,200	-	-
880.10	FIRE ALARM SYS IMPROV	LS	310	-	-
	TOTAL		8,310		
	B. MAJOR PLANNED NEXT THREE YEARS:				
610.10	PASS OFFICE	LS	550		
610.10	TRUCK CHECK FACILITY	4,200 SF	1,950		

10. MISSION OR MAJOR FUNCTIONS:

Functions as the primary operating base of the Atlantic Fleet, homeport to over 100 ships, including aircraft carriers, surface escorts and other combatants, logistics support ships, and attack submarines. This station is the hub of the major Tidewater Logistics Complex of Hampton Roads, Portsmouth, Yorktown and Little Creek. Supporting the following activities:

Amphibious Group
Cruiser-Destroyer Group
Attack Submarine Squadrons
Fleet Training Center
Shore Intermediate Maint. Act.
Service Group

Naval Air Station
Naval Aviation Depot
Nuclear Weapons Training Center
Navy Public Works Center
Naval Supply Center

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, NORFOLK, VIRGINIA	4. PROJECT TITLE ELECTRIC POWER UPGRADE

5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 812.12	7. PROJECT NUMBER P-834	8. PROJECT COST ($000) 10,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRIC POWER UPGRADE	LS	-	-	9,840
SUBTOTAL	-	-	-	9,840
CONTINGENCY (5%)	-	-	-	490
TOTAL CONTRACT COST	-	-	-	10,330
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	620
TOTAL REQUEST	-	-	-	10,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide 3750/4688 KVA fixed substations, 3750/4688 KVA portable substations; relocate and provide new receptacle groups; rebuild and enlarge existing and provide new above deck substation vaults, 2500 KVA transformers, new duct bank and manholes; replace transformers with 34.5 KVA transformers; new under pier vaults; fan cooling for substations; oil switches; improve distribution systems on six piers.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Upgrades shore electric power capacity on six piers. (Current mission.)

REQUIREMENT:

The demand for cold-iron electric power has greatly increased at the station's waterfront because of the new classes of destroyers (DD-963 and DD-993) being assigned. A ship goes cold-iron when in port by shutting down its power plant and connecting to shore systems. This allows the crew to repair and maintain the on-board power plant while essential utilities are provided from shore. It is less costly to ~~connect to~~ shore-side utilities than to operate the ships' systems. Cold-iron support requires fewer crew members to remain on board, thus allowing the crew time ashore for training and leave. The DD-963 and DD-993 class destroyers need more electric power to operate their enlarged electronic weapons packages while conducting in-port training. These ships are designed to utilize pierside training vans which are connected to the ships' electronics systems and are used to simulate radar intercepts, electronic warfare, and other exercises in a realistic manner. This allows crew members to train at pierside instead of only at sea. These on-board electronics systems require vast quantities of electric power. The training vans also place additional power requirements on the pier utility systems.

CURRENT SITUATION:

Sufficient electric shore power does not exist at Piers 2, 3, 5, 7, 24 and 25 to meet the demand during peak berthing periods. Modern

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION, NORFOLK, VIRGINIA

4. PROJECT TITLE

ELECTRIC POWER UPGRADE

5. PROJECT NUMBER

P-834

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

destroyers require more electric power than their predecessors because of the numerous power-hungry radar, communications, and other weapons systems on-board the ship. These systems are operated while the ship is on cold-iron for systems maintenance and training. Many of the new class ships use electrical space heating, placing a large demand on shore power support during the winter.

IMPACT IF NOT PROVIDED:

The station will be unable to provide the necessary electrical support to the ships homeported. Consequently, the in-port maintenance of and training on shipboard electronics systems is adversely affected. Material and personnel readiness of combatant ships and crews will be diminished because electric power and other services are not available on piers. Scheduled port periods for training, maintenance, and replenishment in preparation for deployment will not be used effectively.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 09-85
(B) PERCENT COMPLETE AS OF JANUARY 1990 35
(C) DATE DESIGN 35% COMPLETE 12-86
(D) DATE DESIGN COMPLETE 10-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (300)
(B) ALL OTHER DESIGN COSTS . . . . (145)
(C) TOTAL 445
(D) CONTRACT . . . . (415)
(E) IN-HOUSE . . . . (30)

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER.
NORFOLK, VIRGINIA

4. COMMAND

NAVAL FACILITIES
ENGINEERING COMMAND

5. AREA CONST COST INDEX

.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	15	0	2146	0	0	0	0	0	0	2161
b. END FY 1995	14	0	2146	0	0	0	0	0	0	2160

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (169)	
b. INVENTORY TOTAL AS OF 30 SEP 89	139,790
c. AUTHORIZATION NOT YET IN INVENTORY	15.932
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,020
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,700
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,600
g. REMAINING DEFICIENCY	63.700
h. **GRAND TOTAL**	230,722

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
125.10	FUEL LINE	LS	4,020	03/89	11/90
	TOTAL		4,020		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92):				
812.30	ELECTRIC DISTR LINES	53,400 LF	1,700	-	-
821.09	HEATING PLANT IMPRV	3,900 SF	3,000	11/88	11/90
822.22	STEAM DIST SYSTEMS IMPROV	119,490 LF	4,000	-	-
	TOTAL		8,700		
	B. MAJOR PLANNED NEXT THREE YEARS:				
831.42	ASBESTOS CONTROL	LS	1,500		
135.20	TELEPHONE LINES	LS	1,100		

10. MISSION OR MAJOR FUNCTIONS:

Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support and all other logistic support of a public works nature incident thereto, required by the operating forces, independent activities and other commands served by the public works center. Serves the station, supply center, air station, supply center, air station, family housing, Commander in Chief, Atlantic Fleet Headquarters, and about 100 minor activities and commands.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA	4. PROJECT TITLE FUEL LINE

5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 125.10	7. PROJECT NUMBER P-236	8. PROJECT COST ($000) 4,020

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL LINE	LS	-	-	3,070
FUEL LINE SYSTEM	LF	10,560	126.00	(1,330)
PUMP BUILDING	SF	780	38.00	(30)
STORAGE TANK	LS	-	-	(390)
HOBBY SHOP	SF	26,380	50.00	(1,320)
SUPPORTING FACILITIES	-	-	-	540
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
UTILITIES	LS	-	-	(250)
PAVING AND SITE IMPROVEMENT	LS	-	-	(90)
SUBTOTAL	-	-	-	3,610
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,020
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Eight-inch underground fuel oil pipeline, cathodically protected, insulated, heat controls; pump house, pumps, controls, transformers; 50,000-barrel steel storage tank; two-story masonry building, concrete foundation and floors, built-up roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Installs underground fuel oil pipeline and constructs fuel system pump house. (Current mission.)

REQUIREMENT:

An economical means of supplying fuel from the waterfront to the central steam plant which serves the base as well as ships in port. It has been determined that pipeline delivery of the fuel oil would be more cost-effective than truck delivery. An annual savings of approximately $2,500,000 could be realized from construction of this pipeline system.

CURRENT SITUATION:

Delivery of fuel oil is being done by tank truck. Each truck delivers 6,500 gallons of fuel oil to daily operating tanks at the central steam plant. During the winter, 22 truck deliveries of fuel oil are made daily, six days a week. During the summer, 10 truck deliveries are made daily, five days a week. This mode of delivery has proven to be very costly and time consuming.

IMPACT IF NOT PROVIDED:

The savings in time and money that could be achieved through construction of this project will not be realized.

ADDITIONAL:

An economic analysis has been prepared and indicates a payback period of less than two years.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA

4. PROJECT TITLE FUEL LINE	5. PROJECT NUMBER P-236

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990. 40
(C) DATE DESIGN 35% COMPLETE 11-89
(D) DATE DESIGN COMPLETE 11-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (215)
(B) ALL OTHER DESIGN COSTS . . . . (100)
(C) TOTAL. 315
(D) CONTRACT . . . . (295)
(E) IN-HOUSE . . . . (20)

(4) CONSTRUCTION START. 03-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, OCEANA, VIRGINIA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONST COST INDEX .92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1194	8281	1427	199	997	0	118	495	0	12711
b. END FY 1995	1232	8223	1359	163	993	0	118	495	0	12583

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(22,170)	
b. INVENTORY TOTAL AS OF 30 SEP 89		230,100
c. AUTHORIZATION NOT YET IN INVENTORY		36,475
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,670
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,870
f. PLANNED IN NEXT THREE PROGRAM YEARS		9,280
g. REMAINING DEFICIENCY		133,510
h. **GRAND TOTAL**		418,905

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	WEAPONS SYS TRNR BLDG ADDN	25,480 SF	3,670	12/88	05/90
	TOTAL		3,670		

9. *FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

171.35	A-6F OPER FLGT TRNR ADDN	LS	940	-	-
171.20	SQUADRON TRNG BLDG ADDN	47,500 SF	4,930	-	-
	TOTAL		5,870		

B. MAJOR PLANNED NEXT THREE YEARS:

171.35	F-14D WST ADDITION	LS	1,600
214.30	REFUEL VEH SHOP	LS	380
171.35	F-14D TRAINER FACILITY	LS	700

10. MISSION OR MAJOR FUNCTIONS:

This Atlantic Fleet master jet base provides operational support to 12 fighter squadrons (F-14) and eight medium attack squadrons (A-6) which deploy on Atlantic Fleet aircraft carriers, are adversary fighter squadron, two reserve units, and two Fleet Readiness Squadrons. It also provides support to ALF (Auxiliary Landing Field) Fentress.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	4,160
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, OCEANA, VIRGINIA	4. PROJECT TITLE WEAPONS SYSTEM TRAINER BUILDING ADDITION

5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 171.35	7. PROJECT NUMBER P-178	8. PROJECT COST ($000) 3,670

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS SYSTEM TRAINER BUILDING ADDITION	SF	25,480	-	2,860
BUILDING	SF	25,480	103.00	(2,620)
BUILT-IN EQUIPMENT	LS	-	-	(240)
SUPPORTING FACILITIES	-	-	-	430
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(110)
UTILITIES	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	3,290
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,460
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	210
TOTAL REQUEST	-	-	-	3,670
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(16,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, pile foundation, concrete flooring, masonry walls, insulation board over metal roof deck with built-up roof, computer flooring, fire protection system, provisions for intrusion detection system, elevators, communications system, air conditioning, utilities.

11. REQUIREMENT: 25,480 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an applied instruction building addition to house a mission flight trainer used to train pilots and flight officers. This project supports the remanufacture of F-14 aircraft, designated the F-14D. (New mission.)

REQUIREMENT:

A building addition to house a mission flight trainer scheduled for delivery in early 1992. It is essential that the facility accommodate squadron training in August 1992. Oceana is the homeport for all Atlantic Fleet F-14A fighter aircraft. The F-14 is the linch-pin of the carrier battle group's air defense. The F-14A was introduced in 1972 and has proven to be a very effective and potent weapon system. It's primary mission is to intercept, at long ranges, enemy bombers poised to attack the battle group with air-to-surface missiles. The F-14's long-range radar and the Phoenix missiles give it this capability. Since F-14 technologies may have been compromised because of the sale of the aircraft to Iran, programs to improve both the Phoenix and the F-14 have been accelerated. The interim improved F-14 is called the F-14A+. It has greater resistance to electronic countermeasures and a better radar. The F-14D will provide a major upgrade to the aircraft with digital avionics, data processing, improved radar, and more powerful engines. Transition of the squadrons' aircraft to the F-14D will begin mid-1992 and continue through the mid-1990's. Mission flight training for flight crews for both models will be required throughout the transition, meaning a dual capability is required. Training facilities

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, OCEANA, VIRGINIA

4. PROJECT TITLE WEAPONS SYSTEM TRAINER BUILDING ADDITION	5. PROJECT NUMBER P-178

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

are required to ensure that squadron flight crew personnel are capable of properly operating the numerous on-board weapons systems. These weapon systems include missile and gun firing, target tracking, electronic warfare and countermeasures, and radar and navigation systems.

CURRENT SITUATION:

Facilities are not available to house the trainer scheduled for delivery to Oceana in 1992. Existing training spaces for the F-14A will be required through the 1990's transition period and will not be available for F-14D training to commence in 1992.

IMPACT IF NOT PROVIDED:

Oceana will be unable to provide adequate mission flight training for F-14D aircraft assigned personnel, jeopardizing combat readiness and effectiveness. The carriers will deploy without the full benefits provided by the major F-14 upgrade. The ability of the carrier to defend itself and the battle group will be degraded by a lack of proper systems training which this project will provide. There will be no facilities available to house the delivered trainer.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 12-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 80
(C) DATE DESIGN 35% COMPLETE 08-89
(D) DATE DESIGN COMPLETE 05-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(E) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (0)
(B) ALL OTHER DESIGN COSTS . . . . (175)
(C) TOTAL 175
(D) CONTRACT . . . . (0)
(E) IN-HOUSE . . . . (175)

(4) CONSTRUCTION START 02-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
F-14 MISSION FLIGHT TRAINER #3	APN	1990	16,000
		TOTAL	16,000

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX .96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	721	2962	2100	1742	287	0	398	1036	0	9246
b. END FY 1995	719	2902	2670	1455	2722	0	332	740	2478	14018

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(60,484)	
b. INVENTORY TOTAL AS OF 30 SEP 89		208,660
c. AUTHORIZATION NOT YET IN INVENTORY		25,070
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		34,114
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		20,785
g. REMAINING DEFICIENCY		44,000
h. **GRAND TOTAL**		335,629

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.20	COMBAT DEVELOPMENT CENTER	85,900	SF	16,094	02/89	05/90
171.10	MARINECORPS ACAD RESCH LIB	100,500	SF	14,150	01/90	01/91
179.45	MIL OPS IN URBANIZED TERRN	LS		3,870	11/88	12/89
	TOTAL			34,114		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

740.74	CHILD DEVELOPMENT CENTER	18,750	SF	3,000	-	-
	TOTAL			3,000		

B. MAJOR PLANNED NEXT THREE YEARS:

179.45	LIVE FIRE RANGE	LS		2,660
171.35	OPERATIONAL TRAINER FAC	LS		1,000
421.12	AMMO STORAGE REPLACEMENT	30,640	SF	5,125
211.05	MAINTENANCE HANGARS	67,460	SF	12,000

10. MISSION OR MAJOR FUNCTIONS:

Develop, in coordination with agencies and representatives of other services, the doctrine, tactics, techniques and equipment employed by landing forces in amphibious operations; support Marine Corps requirements for long range planning by identifying required study areas and by initiating study of such areas, in coordination with other government and civilian contract study of agencies; education officers in the principles, tactics and techniques of warfare, with particular emphasis on the landing force aspects of amphibious operations in air-ground combat forces of the Marine Corps; educate staff noncommissioned with the requisite responsibilities; exercise academic supervision over all Marine Corps formal schools (less recruit training); and other functions as directed by the Commandant of the Marine Corps.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	10,620
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	1,230

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS COMBAT DEVELOPMENT COMMAND,
QUANTICO, VIRGINIA

4. PROJECT TITLE

COMBAT DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804751M	610.20	P-402	16,094

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT DEVELOPMENT CENTER	SF	95,900	-	12,480
BUILDING	SF	93,400	115.00	(10,740)
EMERGENCY/STAND-BY POWER BUILDING	SF	2,500	115.00	(290)
BUILT-IN EQUIPMENT	LS	-	-	(1,450)
SUPPORTING FACILITIES	-	-	-	1,980
ELECTRICAL UTILITIES	LS	-	-	(600)
MECHANICAL UTILITIES	LS	-	-	(620)
PAVING AND SITE IMPROVEMENT	LS	-	-	(760)
SUBTOTAL	-	-	-	14,460
CONTINGENCY (5%)	-	-	-	720
TOTAL CONTRACT COST	-	-	-	15,180
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	914
TOTAL REQUEST	-	-	-	16,094
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel frame building, concrete foundation and floors, masonry walls with brick facing, built-up roof, computer flooring, emergency electric power generators, technical operating manuals, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 95,900 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a facility to accommodate a combat development center and a contingency data processing center. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities to permit implementation of a Marine Corps-wide distribution and processing network to support a concepts, doctrine, and training data base. Facilities will allow collocation of separate elements of the combat development center, the war-fighting center, and the intelligence center. Facility will also house the contingency data processing center.

CURRENT SITUATION:

Different elements of the combat development center are presently dispersed throughout the activity. Facility constraints force some elements to work in inadequate and overcrowded spaces. A contingency data processing center does not currently exist.

IMPACT IF NOT PROVIDED:

The lack of a centralized facility will continue to impair mission accomplishment and will preclude integration of the elements of the combat development center.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA		
4. PROJECT TITLE COMBAT DEVELOPMENT CENTER		5. PROJECT NUMBER P-402

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(705)
(B) ALL OTHER DESIGN COSTS	(270)
(C) TOTAL	975
(D) CONTRACT	(960)
(E) IN-HOUSE	(15)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

(Note: Relocatable buildings are in use which will be discontinued upon completion of permanent facilities.)

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS COMBAT DEVELOPMENT COMMAND,
QUANTICO, VIRGINIA

4. PROJECT TITLE

MARINE CORPS ACADEMIC
RESEARCH LIBRARY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796M	171.10	P-430	14,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MARINE CORPS ACADEMIC RESEARCH LIBRARY	SF	100,500	-	10,850
BUILDING	SF	100,500	90.00	(9,050)
BUILT-IN EQUIPMENT	LS	-	-	(1,800)
SUPPORTING FACILITIES.	-	-	-	1,860
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(450)
ELECTRICAL UTILITIES	LS	-	-	(310)
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(950)
SUBTOTAL	-	-	-	12,710
CONTINGENCY (5%)	-	-	-	640
TOTAL CONTRACT COST.	-	-	-	13,350
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	800
TOTAL REQUEST	-	-	-	14,150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, pile foundation, concrete floors, masonry walls with brick facing, built-up roof on rigid insulation over steel decking, study and research areas, library, auditorium, vault, conference and seminar rooms, education center, fire alarm and wet-pipe protection system, air conditioning, utilities; 350 vehicle parking area

11. REQUIREMENT: 100,500 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs facility to house comprehensive collections of printed books and documents, microforms, videotapes, films, and other forms of historically significant educational and research materials. (Current mission.)

REQUIREMENT:

Adequate and properly-configured library and research facilities to accommodate and consolidate various collections, and to support intellectual and educational activities, including Advanced Warfare Research Institute (AWRI). The facility will also support group conference spaces for lectures, exhibits, and other events. Automation of cataloging is necessary.

CURRENT SITUATION:

Collections are currently housed in several facilities at dispersed locations at Quantico. Increases in collection volume have burdened available spaces. Individual and group study and research space is limited and of poor quality. Cataloging systems are antiquated. Administrative and technical staff spaces are inadequate.

IMPACT IF NOT PROVIDED:

Absence of a quality research library will continue to impair the educational and intellectual missions. Lack of centralized expansion space will restrict collection growth.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA

4. PROJECT TITLE

MARINE CORPS ACADEMIC RESEARCH LIBRARY

5. PROJECT NUMBER

P-430

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	01-90
(B) PERCENT COMPLETE AS OF JANUARY 1990	0
(C) DATE DESIGN 35% COMPLETE	07-90
(D) DATE DESIGN COMPLETE	01-91

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(875)
(B) ALL OTHER DESIGN COSTS	(250)
(C) TOTAL	1,125
(D) CONTRACT	(1,070)
(E) IN-HOUSE	(55)

(4) CONSTRUCTION START 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA		4. PROJECT TITLE MILITARY OPERATIONS IN URBANIZED TERRAIN	
5. PROGRAM ELEMENT 0804751M	6. CATEGORY CODE 179.45	7. PROJECT NUMBER P-408	8. PROJECT COST ($000) 3,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY OPERATIONS IN URBANIZED TERRAIN	LS	-	-	2.900
COMBAT VILLAGE	LS	-	-	(2.780)
LIVE FIRE RANGE	LS	-	-	(120)
SUPPORTING FACILITIES	-	-	-	580
UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT	LS	-	-	(490)
SUBTOTAL	-	-	-	3.480
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3.650
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	220
TOTAL REQUEST	-	-	-	3.870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Upgrade one building; construct 16 reinforced concrete and masonry structures; access roads, parking, bridge; functional underground sewer system to replicate an urban setting; one rubber tire and four wood construction structures for live-fire assault course.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides military operations in urbanized terrain (MOUT) mock-up training facilities. (Current mission.)

REQUIREMENT:

An adequate and properly-configured MOUT mock-up training complex. Difficulties in urban area combat, as proven by recent military engagements, are numerous and have generated a requirement for specialized training. These facilities are designed to meet this requirement. This project will provide The Basic School practice techniques of house-to-house and block-to-block clearing operations, techniques of clearing buildings from the top down and from the bottom up, and techniques of roof-top landing zones for helicopter assaults. It will also provide training in the employment of automatic weapons and snipers for covering fires, training in overcoming communications problems inherent in urban areas characterized by steel construction and electric power systems, and training in the use of smoke and chemical agents for cover and defense.

CURRENT SITUATION:

There are no facilities at this activity where Marines can acquire and maintain the proficiency required in MOUT operations. The existing combat village consists of ten buildings and provides only marginal training for some urban infantry tasks. The combat village cannot accommodate live fire because of its location and construction type.

IMPACT IF NOT PROVIDED:

Recent military engagements have revealed a critical need for upgrading our ability to conduct successful military operations in urban areas.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA

4. PROJECT TITLE

MILITARY OPERATIONS IN URBANIZED TERRAIN

5. PROJECT NUMBER

P-408

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED. (CONTINUED)

This project provides the facilities needed for training to accomplish this goal, thereby improving morale and reducing casualties in time of conflict in urban environments.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
- (A) DATE DESIGN STARTED 11-88
- (B) PERCENT COMPLETE AS OF JANUARY 1990 100
- (C) DATE DESIGN 35% COMPLETE 05-89
- (D) DATE DESIGN COMPLETE 12-89

(2) BASIS:
- (A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
- (B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
- (A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (190)
- (B) ALL OTHER DESIGN COSTS . . . . (250)
- (C) TOTAL 440
- (D) CONTRACT . . . . (400)
- (E) IN-HOUSE . . . . (40)

(4) CONSTRUCTION START . . . . 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA	4. COMMAND OFFICE OF THE CHIEF OF NAVAL RESEARCH	5. AREA CONST COST INDEX 0.96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	0	0	6	0	0	0	0	0	6	12
b. END FY 1995	0	0	14	0	0	0	0	C	10	24

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF MCB
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	2,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317.10	MIDWAY RESEARCH CTR UPGRDE	6,720 SF	2,600	02/89	03/90
	TOTAL		2,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS
Provide research on electronic equipment and systems

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	C

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA	4. PROJECT TITLE MIDWAY RESEARCH CENTER UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
N F I P 0605001N	317.10	P-148	2.600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MIDWAY RESEARCH CENTER UPGRADE	SF	6.720	-	1,170
BUILDING	SF	6,720	95.00	(640)
BUILT-IN EQUIPMENT	LS	-	-	(530)
SUPPORTING FACILITIES	-	-	-	1,160
UTILITIES	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT	LS	-	-	(920)
SUBTOTAL	-	-	-	2,330
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST	-	-	-	2,450
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	150
TOTAL REQUEST	-	-	-	2.600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, masonry walls, computer flooring, grounding, secure compartmented information facility construction, temperature and humidity control, fire protection system, air conditioning, utilities; access road.

11. REQUIREMENT: 11,890 SF ADEQUATE: 5,170 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a secure facility for research, development, testing, calibration, and quality assurance of newly developed electronic and computer equipment. Provides secure space to develop, validate and test equipment and generate new software programs for the Navy. (New mission.)

REQUIREMENT:

An adequate and properly-configured physically, electrically, and electronically secure compartmented information facility with supportive environmental control and high quality electric power for sophisticated electronic and computer equipment that develops and controls an essential system supporting Navy and Department of Defense efforts. It is necessary to have a clean environment free of ambient telemetry signals.

CURRENT SITUATION:

There are no available facilities to meet mission requirements with a clean signal radio frequency environment at the Naval Research Laboratory Washington, D.C. site.

IMPACT IF NOT PROVIDED:

The new electronic system necessary to implement this program will not have sufficient electronic equipment and software developmental space.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA

4. PROJECT TITLE

MIDWAY RESEARCH CENTER UPGRADE

5. PROJECT NUMBER

P-148

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED. 02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990. 75
(C) DATE DESIGN 35% COMPLETE 08-89
(D) DATE DESIGN COMPLETE 03-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (135)
(B) ALL OTHER DESIGN COSTS . . . . (210)
(C) TOTAL. 345
(D) CONTRACT . . . . (315)
(E) IN-HOUSE . . . . (30)

(4) CONSTRUCTION START. 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION AEGIS COMBAT SYSTEMS CENTER, WALLOPS ISLAND, VIRGINIA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR COST INDEX 1.02

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	8	32	19	7	25	0	3	14	18	126
b. END FY 1995	8	94	193	14	34	0	13	52	42	450

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NSWC	0
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY		5,490
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,450
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		14,440
h. **GRAND TOTAL**		

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	AEGIS CMD & LIFE SUPT FAC	35,900 SF	5,490	05/89	04/90
	TOTAL		5,490		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

845.20	UTILITIES IMPROVEMENT	LS	1,500	-	-
	TOTAL		1,500		

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BACHELOR ENLISTED QUARTERS	21,510 SF	3,750
724.11	BACHELOR OFFICER QUARTERS	22,850 SF	3,700

10. MISSION OR MAJOR FUNCTIONS:

NONE

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

AEGIS COMBAT SYSTEMS CENTER,
WALLOPS ISLAND, VIRGINIA

4. PROJECT TITLE

AEGIS COMMAND AND LIFE SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605001N	171.20	P-327	5,490

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AEGIS COMMAND AND LIFE SUPPORT FACILITY	SF	35,900	-	3,740
BUILDING	SF	35,900	102.00	(3,660)
BUILT-IN EQUIPMENT	LS	-	-	(80)
SUPPORTING FACILITIES	-	-	-	1,190
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(210)
UTILITIES	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT	LS	-	-	(670)
SUBTOTAL	-	-	-	4,930
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST	-	-	-	5,180
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	310
TOTAL REQUEST	-	-	-	5,490
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, pile foundation, concrete floor, built-up roofing, sensitive compartmented information facility construction, TEMPEST shielding, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 35,900 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Consolidates the warfare training, administrative and logistical support functions into a single facility to augment the AEGIS Combat Systems Center (ACSC) at Wallops Island, Virginia. (Current mission.)

REQUIREMENT:

Adequate facilities for the ACSC to fulfill the needs of operational support to the rapidly increasing number of CG-47 and DDG-51 class cruisers and destroyers entering the fleet. Furnish spaces for the long-term need of training, electronic equipment staging and storage capability for tactical equipment spares and systems backfit, and administrative space to support two shore based operational ACSC sites.

CURRENT SITUATION:

Navy's present shipbuilding program is to add 56 AEGIS ships to the fleet, with 10 ships already in fleet use. An ACSC has been established at the NASA Wallops Island Flight Facility (WFF). There are no administrative and logistical support facilities to provide the necessary support to the ACSC. Navy occupies storage space leased from NASA on a short-term basis, and NASA has advised Navy that this space must be vacated soon to become available for their own requirements. Administrative spaces used by the Navy are in bachelor enlisted quarters on a short-term "request for diversion" basis, and must be vacated by February 1990. It is anticipated that relocatable structures will be in place and ready to accommodate the expanding supply and administrative functions. Upon completion of this project, the relocatable facilities will be relinquished. Training is being conducted at the Navy AEGIS Combat System Site (ACSS) on the NASA rocket launching range of Wallops Island. The classroom level team training and participation in

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

AEGIS COMBAT SYSTEMS CENTER, WALLOPS ISLAND, VIRGINIA

4. PROJECT TITLE

AEGIS COMMAND AND LIFE SUPPORT FACILITY

5. PROJECT NUMBER

P-327

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
engineering tests and exercises is being impeded by the overcrowded facilities at ACSS. Evacuations because of rocket launches have interrupted the scheduling of classes, and the tight training routines of crews being indoctrinated for fleet operational assignments, operational exercises, and engineering test functions.

IMPACT IF NOT PROVIDED:
Navy will be unable to provide the necessary combat training and logistical support to the AEGIS System test site. NASA will evict Navy from current training spaces to convert it for its own use at the WFF. Navy may have to abandon the ACSS and completely rebuild in another location, thereby losing an optimum location, at considerable expense to the government for facilities already constructed on Wallops Island.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA. (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	04-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(290)
(B) ALL OTHER DESIGN COSTS	(215)
(C) TOTAL	505
(D) CONTRACT	(490)
(E) IN-HOUSE	(15)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION TRIDENT REFIT FACILITY, BANGOR, WASHINGTON	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR COST INDEX 1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	36	695	1097	0	0	0	0	0	0	1828
b. END FY 1995	40	750	1154	0	0	0	0	0	0	1944

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NSB	171.690
b. INVENTORY TOTAL AS OF 30 SEP 89		3.640
c. AUTHORIZATION NOT YET IN INVENTORY		3.020
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2.150
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		45.160
f. PLANNED IN NEXT THREE PROGRAM YEARS		18.640
g. REMAINING DEFICIENCY		244.300
h. **GRAND TOTAL**		

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
860.40	CRANE TRACKAGE EXTENSION	LS	910	12/87	10/89
441.30	HAZAR & FLAMM STOREHOUSE	11.500 SF	2.110	08/89	09/90
	TOTAL		3.020		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

610.20	DATA PROCESSING CTR ADDN	10.000 SF	2.150	-	-
	TOTAL		2.150		

B. MAJOR PLANNED NEXT THREE YEARS:

213.30	HULL CLEANING/COATING FAC	11.610 SF	3.600
441.10	SUPPLY WAREHOUSE	136.610 SF	14.000
213.30	INDUSTRIAL SHOP	LS	14.230
610.10	TRANSPORTATION FACILITY	1.700 SF	1.300

10. MISSION OR MAJOR FUNCTIONS:

Provide complete repair and refit service for the Pacific Fleet TRIDENT ballistic missile submarines, including all required services for ships alongside at the base. Provide industrial support for homeported submarines during short and very labor intensive refit periods.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION TRIDENT REFIT FACILITY, BANGOR, WASHINGTON		4. PROJECT TITLE HAZARDOUS AND FLAMMABLE STOREHOUSE	
5. PROGRAM ELEMENT 0101896N	6. CATEGORY CODE 441.30	7. PROJECT NUMBER P-050	8. PROJECT COST ($000) 2,110

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HAZARDOUS AND FLAMMABLE STOREHOUSE	SF	11,500	-	1,600
BUILDING	SF	11,500	117.00	(1,350)
BUILT-IN EQUIPMENT	LS	-	-	(250)
SUPPORTING FACILITIES	-	-	-	300
UTILITIES	LS	-	-	(230)
PAVING AND SITE IMPROVEMENT	LS	-	-	(70)
SUBTOTAL	-	-	-	1,900
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	2,000
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST	-	-	-	2,110
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, access doors, fire protection system, ventilation system, loading dock, automated storage and retrieval system, 24-foot high stacking height, utilities, security fencing, parking area.

11. REQUIREMENT: 11,500 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides storage warehouse for hazardous materials to support the TRIDENT submarine program. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facility for storage of hazardous materials including flammable, corrosives, oxidizers, and other regulated material. Bangor provides industrial support for the TRIDENT submarine and performs depot level overhauls of equipment in the TRIDENT Planned Equipment Replacement Program. Industrial support of the submarine is accomplished during short and very labor intensive refit periods. Proper levels of supply stock, conveniently located, are necessary for performing all planned as well as emergent work in an efficient and timely manner.

CURRENT SITUATION:

Initial planning for supply functions at this facility did not provide hazardous storage. Temporary storage space has been provided in a metal prefabricated building, which is occupied jointly with the fiberglass and plastics shop, inside the general warehouse and in the POL storage facility. These buildings do not comply with the governing regulations for hazardous storage facilities.

IMPACT IF NOT PROVIDED:

The ability to safely store hazardous materials will not be possible. Failure to stock the required levels of hazardous materials will result in production delays which could have a serious impact on ship departure schedules.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

TRIDENT REFIT FACILITY, BANGOR, WASHINGTON

4. PROJECT TITLE

HAZARDOUS AND FLAMMABLE STOREHOUSE

5. PROJECT NUMBER

P-050

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1)	STATUS:	
	(A) DATE DESIGN STARTED	08-89
	(B) PERCENT COMPLETE AS OF JANUARY 1990	35
	(C) DATE DESIGN 35% COMPLETE	11-89
	(D) DATE DESIGN COMPLETE	09-90
(2)	BASIS:	
	(A) STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
	(E) WHERE DESIGN WAS MOST RECENTLY USED:	N/A
(3)	TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(135)
	(B) ALL OTHER DESIGN COSTS	(110)
	(C) TOTAL	245
	(D) CONTRACT	(210)
	(E) IN-HOUSE	(35)
(4)	CONSTRUCTION START	12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR COST INDEX 1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	43	400	39	0	0	0	0	0	0	482
b. END FY 1995	51	464	43	0	0	0	0	0	0	558

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NSB	
b. INVENTORY TOTAL AS OF 30 SEP 89		41,440
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,610
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. **GRAND TOTAL**		45,050

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.45	FIRE FIGHTING TRAINING FAC	14,320 SF	3,610	03/89	11/90
	TOTAL		3,610		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide facilities and training courses peculiar to Ohio-class ballistic missile submarines for personnel assigned to the Navy submarine base Bangor Washington; furnish specific operationally-oriented support to submarines to ensure maximun effectiveness of their sensor systems

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON	4. PROJECT TITLE FIRE FIGHTING TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804731N	179.45	P-993	3,610

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINING FACILITY	SF	14,320	-	2,380
TRAINING BUILDING	SF	5,770	260.00	(1,500)
SUPPORT BUILDING	SF	8,550	97.00	(830)
BUILT-IN EQUIPMENT	LS	-	-	(50)
SUPPORTING FACILITIES	-	-	-	870
UTILITIES	LS	-	-	(410)
PAVING AND SITE IMPROVEMENT	LS	-	-	(460)
SUBTOTAL	-	-	-	3,250
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,410
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	200
TOTAL REQUEST	-	-	-	3,610
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel-frame and reinforced concrete buildings, concrete floors, fire protection system, utilities, air conditioning, wastewater treatment tanks and pumps, propane tanks, water storage tanks and pumps, technical operating manuals.

11. REQUIREMENT: 14,320 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a fire fighting trainer. (Current mission.)

REQUIREMENT:

Adequate facilities to accommodate three submarine-unique hands-on fire fighting training courses for 6,000 students per year.

CURRENT SITUATION:

Currently, there is no capability for conducting realistic fire fighting training. Present training is limited in scope and conducted in an interim fire fighting trainer which only provides exposure to basic fire fighting principles.

IMPACT IF NOT PROVIDED:

The activity will not be able to meet the established mission for fire fighting training because of the limitations of the interim trainer. The combat readiness of operating submarines will be degraded.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	60
(C) DATE DESIGN 35% COMPLETE	06-89

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON

4. PROJECT TITLE

FIRE FIGHTING TRAINING FACILITY

5. PROJECT NUMBER

P-993

12. SUPPLEMENTAL DATA: (CONTINUED)

(D) DATE DESIGN COMPLETE 11-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(160)
(B) ALL OTHER DESIGN COSTS	(245)
(C) TOTAL	405
(D) CONTRACT	(305)
(E) IN-HOUSE	(100)

(4) CONSTRUCTION START. . . . . 01-91 (MONTH AND YEAR)

E. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR COST INDEX 1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	465	5533	13154	4	0	0	0	0	0	19156
b. END FY 1995	490	7074	13162	2	0	0	27	415	0	21170

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,393)
b. INVENTORY TOTAL AS OF 30 SEP 89	418,310
c. AUTHORIZATION NOT YET IN INVENTORY	50,383
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	23,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	6,900
g. REMAINING DEFICIENCY	47,440
h. **GRAND TOTAL**	548,033

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
813.20	DRY DOCK UTILITIES UPGRADE	LS	2,000	03/89	05/90
	TOTAL		2,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

213.65	INDUS SPT COMPLEX(INCR II)	85,500 SF	20,300	09/88	10/90
163.20	MOORING PLATFORM	LS	2,700	-	-
	TOTAL		23,000		

B. MAJOR PLANNED NEXT THREE YEARS:

213.60	ABRASIVE BLAST MATERL FAC	9,400 SF	1,200
151.50	PIER UPGRADE	LS	5,700

10. MISSION OR MAJOR FUNCTIONS:

Maintenance and overhaul of surface ships up to and including attack carriers, and attack and fleet ballistic missile submarines. Logistic support provided includes conversion, overhaul, repair, alterations, and drydocking of surface ships and modern submarines. The yard also provides support for air and submarine warfare weapon systems. Homeport to aircraft carrier, two cruisers and two ammunition ships.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	930
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**
	2. DATE

3. INSTALLATION AND LOCATION PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON	4. PROJECT TITLE DRY DOCK UTILITIES UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702228N	813.20	P-252	2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DRY DOCK UTILITIES UPGRADE	LS	-	-	1,800
SUBSTATION UPGRADE	LS	-	-	(1,400)
SERVICE TUNNEL	LS	-	-	(130)
MECHANICAL UTILITIES	LS	-	-	(120)
RAILROAD TRACK RELOCATION	LS	-	-	(150)
SUBTOTAL	-	-	-	1,800
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,890
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST	-	-	-	2,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Upgrade substations; pure water service; building utility service tunnels; industrial electrical circuits upgrade; repair saltwater lines; relocate railroad tracks.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Installs high voltage cable, upgrades substations, walk-through service tunnels, pure water system, repairs salt water system, and relocates railroad tracks. (Current mission.)

REQUIREMENT:

Adequate and reliable utilities to support industrial and ship operations in accommodating overhaul and repair of a nuclear class surface ship (CGN) and submarines (SSBN, SSN) in Dry Dock 4. Two sources of electric power, one from the Bonneville Power Administration (BPA) and the other from the Shipyard power plant, via different transformers to prevent loss of power in the event one transformer should fail.

CURRENT SITUATION:

Dry Dock 4 was routinely used to support non-nuclear overhauls, while nuclear overhauls were accomplished in other heavily scheduled dry docks. Current utilities are adequate for supporting most classes of non-nuclear ships, but are inadequate to service and support nuclear vessels. An interim measure was taken to permit simultaneous overhauls on two nuclear submarines (SSN) and a post shakedown availability (PSA) on a TRIDENT (SSBN) by utilizing a nearby substation to power a portable transformer. Temporary power lines were routed to the dry dock to provide the necessary super shore power required by a Los Angeles class submarine. The 8,000 amperes required by the Los Angeles is the largest electric power requirement for any nuclear vessel that can be docked in Dry Dock 4. This temporary solution should not be considered a permanent answer for electric power, since it leaves two dewatering pumps disconnected.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON

4. PROJECT TITLE

DRY DOCK UTILITIES UPGRADE

5. PROJECT NUMBER

P-252

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED:

Inability of the shipyard to provide adequate and reliable utilities, including electric power, pure water, and saltwater, to eliminate impact on delaying ships and submarines undergoing overhaul and repairs, and their availability to the fleet.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
- (A) DATE DESIGN STARTED 03-89
- (B) PERCENT COMPLETE AS OF JANUARY 1990 90
- (C) DATE DESIGN 35% COMPLETE 07-89
- (D) DATE DESIGN COMPLETE 05-90

(2) BASIS:
- (A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
- (B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
- (A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . . (70)
- (B) ALL OTHER DESIGN COSTS . . . . . . (100)
- (C) TOTAL 170
- (D) CONTRACT . . . . . . (160)
- (E) IN-HOUSE . . . . . . (10)

(4) CONSTRUCTION START . . . . . . 10-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION,
EVERETT, WASHINGTON

4. COMMAND

COMMANDER IN CHIEF,
PACIFIC FLEET

5. AREA CONSTR COST INDEX

1.19

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	0	0	0	0	0	0	0	0	0	0
b. END FY 1995	426	6367	620	0	0	0	C	0	0	7413

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(417)
b. INVENTORY TOTAL AS OF 30 SEP 89	66,540
c. AUTHORIZATION NOT YET IN INVENTORY	181,720
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	22,267
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	33,790
f. PLANNED IN NEXT THREE PROGRAM YEARS	25,000
g. REMAINING DEFICIENCY	104,200
h. **GRAND TOTAL**	433,517

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	CARRIER SUPPORT	LS	15,777	06/86	09/90
131.15	COMMUNICATION FACILITY	6,110 SF	1,660	06/86	09/88
730.10	SECURITY & FIRE STATION	6,850 SF	1,760	06/86	09/88
932.20	UTILITIES AND SITE IMPROVS	LS	3,070	07/85	11/88
	TOTAL		22,267		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

610.10	ADMIN FACILITY	LS	5,000	-	-
831.41	HAZARDOUS WASTE FACILITY	7,800 SF	1,200	-	-
740.64	MESS HALL	LS	2,600	-	-
831.16	OILY WATER SEPARATION	LS	3,000	-	-
740.84	PHYSICAL FITNESS FACILITY	LS	7,400	-	-
932.20	U&SI	LS	4,940	-	-
932.20	U&SI	LS	9,650	-	-
	TOTAL		33,790		

10. MISSION OR MAJOR FUNCTIONS:

Provide homeport facilities and logistic support for an Aircraft Carrier Battle Group to be assigned to this new strategic homeport. Provide harbor and waterfront facilities, exchange, personnel support, athletic and recreational, berthing, and messing services.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON	4. PROJECT TITLE CARRIER SUPPORT

5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 812.30	7. PROJECT NUMBER P-089	8. PROJECT COST ($000) 15,777

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CARRIER SUPPORT	LS	-	-	14,170
TRANSIT SHED AND STORAGE	LS	-	-	(7,310)
PORT SERVICES/PUBLIC WORKS/GROUND SUPPORT	LS	-	-	(6,860)
SUBTOTAL	-	-	-	14,170
CONTINGENCY (5%)	-	-	-	710
TOTAL CONTRACT COST	-	-	-	14,880
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	897
TOTAL REQUEST	-	-	-	15,777
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three one-story steel frame and masonry buildings, concrete floors, sloped metal roofs, pile and reinforced concrete foundations; cranes, hoists, port control tower, open storage, utilities, paving, site improvements.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs a transit shed, hazardous/flammable storage facility, open and covered storage, port services and public works shops, a port control tower, and a ground support and armament handling equipment shed. (New mission.)

REQUIREMENT:

Adequate facilities to support the homeporting of an Aircraft Carrier Battle Group (CVBG) as part of the Navy's strategic homeporting initiative in the Pacific Northwest. The primary mission of port services and public works is to manage safe berthing of the battle group and provide necessary in-port services such as brows, utility connections, tow services and facility maintenance. The transit shed will provide for storage, laydown, sorting, repackaging, and transshipment of materials going to and from ships, and a separate storage facility for hazardous and flammable materials.

CURRENT SITUATION:

Naval Station Everett is a new homeport under construction. Prior increments have provided facilities needed to meet a portion of the base infrastructure and berthing requirements. However, additional operational facilities are required to provide adequate support for the CVBG.

IMPACT IF NOT PROVIDED:

Materials would have to be left in unprotected areas subject to weather damage and theft. Efficiency of materials supply and repair operations would be greatly reduced. No area would be available for the safe storage of hazardous materials, thereby increasing risks to personnel and

(CONTINUED ON DD 1391C)

DD FORM 1391
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON		
4. PROJECT TITLE CARRIER SUPPORT		5. PROJECT NUMBER P-089

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED: (CONTINUED)

facilities. A lack of maintenance and service capabilities will have an adverse effect on the availability and reliability of equipment.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	75
(C) DATE DESIGN 35% COMPLETE	08-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(840)
(B) ALL OTHER DESIGN COSTS	(480)
(C) TOTAL	1,320
(D) CONTRACT	(1,210)
(E) IN-HOUSE	(110)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION,
EVERETT, WASHINGTON

4. PROJECT TITLE

COMMUNICATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	131.15	P-145	1,660

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATION FACILITY	SF	6,110	-	1,150
COMMUNICATION CENTER	SF	4,050	189.00	(770)
TELEPHONE EXCHANGE	SF	2,060	136.00	(280)
BUILT-IN EQUIPMENT	LS	-	-	(100)
SUPPORTING FACILITIES	-	-	-	340
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(40)
UTILITIES AND SITE IMPROVEMENT	LS	-	-	(300)
SUBTOTAL	-	-	-	1,490
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,570
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,660
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building with pre-formed metal siding, access flooring, fire protection system, emergency electric power, utilities, paving, special ventilation and air conditioning.

11. REQUIREMENT: 6,110 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides facilities for telecommunications and telephone exchange functions. (New mission.)

REQUIREMENT:

Adequate communication facilities to support homeporting of an Aircraft Carrier Battle Group as part of the Navy's strategic homeporting initiative in the Pacific Northwest.

CURRENT SITUATION:

No facilities currently axist for telecommunications or telephones.

IMPACT IF NOT PROVIDED:

An absence of facilities for telecommunications and telephone functions will impair the ability of the naval station to support the battle group.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 119C, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED 06-86
(B) PERCENT COMPLETE AS OF JANUARY 1990 100
(C) DATE DESIGN 35% COMPLETE 01-87
(D) DATE DESIGN COMPLETE 09-88

(2) BASIS:

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON		
4. PROJECT TITLE COMMUNICATION FACILITY		5. PROJECT NUMBER P-145

12. SUPPLEMENTAL DATA: (CONTINUED)

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3)	TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(95)
(B)	ALL OTHER DESIGN COSTS	(165)
(C)	TOTAL	260
(D)	CONTRACT	(220)
(E)	IN-HOUSE	(40)

(4) CONSTRUCTION START . . . 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	2. DATE

FY 1991 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON	4. PROJECT TITLE SECURITY AND FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	730.10	P-117	1,760

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY AND FIRE STATION	SF	6,850	-	1,280
FIRE STATION	SF	4,770	141.00	(670)
POLICE STATION	SF	2,080	155.00	(320)
BUILT-IN EQUIPMENT	LS	-	-	(290)
SUPPORTING FACILITIES	-	-	-	300
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(300)
SUBTOTAL	-	-	-	1,580
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,660
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	100
TOTAL REQUEST	-	-	-	1,760
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building, concrete foundation, high-bay area in fire station, utilities, fire protection system, special ventilation, emergency electric power.

11. REQUIREMENT: 6,850 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a fire station and a police station. (New mission.)

REQUIREMENT:

Adequate security and fire fighting facilities to protect the ships of the aircraft carrier battle group and the station.

CURRENT SITUATION:

No facilities currently exist for security or fire protection.

IMPACT IF NOT PROVIDED:

Without an on-base fire station, fire fighting service will have to be provided by the City of Everett fire department. The increased time required to answer alarms will increase the potential for loss of property and life. Security for the battle group and the station will be severely impaired without facilities to house required security operations.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	01-87
(D) DATE DESIGN COMPLETE	09-88

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION, EVERETT, WASHINGTON

4. PROJECT TITLE

SECURITY AND FIRE STATION

5. PROJECT NUMBER

P-117

12. SUPPLEMENTAL DATA: (CONTINUED)

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

		($000)
(3)	TOTAL COST (C) = (A) + (B) OR (D) + (E):	
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(95)
(B)	ALL OTHER DESIGN COSTS	(95)
(C)	TOTAL	190
(D)	CONTRACT	(150)
(E)	IN-HOUSE	(40)

(4) CONSTRUCTION START . . . 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION,
EVERETT, WASHINGTON

4. PROJECT TITLE

UTILITIES AND SITE
IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	932.20	P-082	3,070

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES AND SITE IMPROVEMENTS.	LS	-	-	2,750
SUBTOTAL	-	-	-	2,750
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,890
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	180
TOTAL REQUEST.	-	-	-	3,070
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Utilities including sanitary sewer, potable water, electrical, telecommunications, natural gas; utility connections, storm drainage, grading, surcharge, fencing, paving, site improvements.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Constructs utilities and site improvements, provides for utilities connections. (New mission.)

REQUIREMENT:
Adequate utilities and site improvements required for homeporting an Aircraft Carrier Battle Group (CVBG) as part of the Navy's strategic homeporting initiative in the Pacific Northwest.

CURRENT SITUATION:
Naval Station Everett is a new homeport under construction. Prior increments have provided facilities needed to meet a portion of the base infrastructure requirements. However, completion of these facilities is necessary to provide adequate support for the CVBG.

IMPACT IF NOT PROVIDED:
Utilities and site improvements required for facilities being constructed to support the CVBG will be incomplete, resulting in severe adverse impacts on homeport operations.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED. 07-85
(B) PERCENT COMPLETE AS OF JANUARY 1990. 100

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON		
4. PROJECT TITLE UTILITIES AND SITE IMPROVEMENTS		5. PROJECT NUMBER P-082

12. SUPPLEMENTAL DATA: (CONTINUED)

(C) DATE DESIGN 35% COMPLETE	04-88
(D) DATE DESIGN COMPLETE	11-88

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(60)
(B) ALL OTHER DESIGN COSTS	(55)
(C) TOTAL	115
(D) CONTRACT	(105)
(E) IN-HOUSE	(10)
(4) CONSTRUCTION START	01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 **MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR COST INDEX 1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	22	293	3215	0	0	0	2	1	0	3533
b. END FY 1995	19	288	3215	0	0	0	2	1	0	3525

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,934)	
b. INVENTORY TOTAL AS OF 30 SEP 89		81,850
c. AUTHORIZATION NOT YET IN INVENTORY		23,180
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		18,590
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,700
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,550
g. REMAINING DEFICIENCY		27,550
h. **GRAND TOTAL**		158,420

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
216.77	AUTOMATED MATRLS HDLG FAC	28,490	SF	7,340	08/86	06/90
730.10	FIRE STATION	7,690	SF	1,100	04/86	04/87
213.51	SUB WPNS SYSTEMS SHOP	74,400	SF	10,150	02/89	09/90
	TOTAL			18,590		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
151.20	GENL PURP/BERTHING PIER	6,240	SF	2,500	-	-
318.10	PROPULSION SYS LAB	24,760	SF	2,200	-	-
	TOTAL			4,700		
	B. MAJOR PLANNED NEXT THREE YEARS:					
143.15	RANGE OPS BUILDING	2,800	SF	1,300		
212.30	TOMAHAWK MISSILE TEST CELL	1,300	SF	1,250		
229.50	NPPSBO PRINTING PLANT	LS		500		

10. MISSION OR MAJOR FUNCTIONS:

Proof, test, and evaluate underwater weapons, weapons systems, and components; exercise design cognizance of underwater weapon systems acoustic and tracking ranges and associated range equipment; provide engineering and technical support services for designated undersea warfare programs; provide material and logistics support for assigned weapon systems, weapons or components; act as in-service engineering agent for designated undersea weapons systems.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

		($000)
A:	POLLUTION ABATEMENT	600
B:	INSTALLATION RESTORATION	10,040
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM
2. DATE	

3. INSTALLATION AND LOCATION NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON	4. PROJECT TITLE AUTOMATED MATERIALS HANDLING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702031N	216.77	P-295	7,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AUTOMATED MATERIALS HANDLING FACILITY	SF	28,490	-	6,160
BUILDING	SF	28,490	74.00	(2,110)
BUILT-IN EQUIPMENT	LS	-	-	(4,050)
SUPPORTING FACILITIES	-	-	-	430
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(230)
UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	6,590
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST	-	-	-	6,920
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	420
TOTAL REQUEST	-	-	-	7,340
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(1,440)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay metal building, pile foundation, concrete floor, high-density rack storage system with automated guided retrieval vehicles, computer control area, fire protection system, ventilation, utilities.

11. REQUIREMENT: 28,490 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a centralized secure automated storage facility for torpedo components. (Current mission.)

REQUIREMENT:

Efficient storage, inventory, retrieval and handling of in-process MK-48 torpedo components, parts and assemblies. There are 80,000 to 100,000 major components and sub-assemblies for MK-48 and MK-48 (ADCAP) torpedoes in process at any one time at the station. In 1985, the rate of production was only 276 units annually. By 1989, a production rate of 525 units will be required. Automated handling of components with real-time inventory control will be necessary to attain the production rates.

CURRENT SITUATION:

Production shop floor space and some vertical storage racks are used to store MK-48 torpedo sections and parts. The amount of available space is not adequate requiring many units to be stored outside and in some cases, up to six miles from the shop. Items are retrieved when needed by manually searching through the various storage sites. Frequently, several units must be moved to retrieve the required item. This method of operation is labor intensive and inefficient which increases production costs and the inventory of torpedo components. While marginally adequate for previous MK-48 production, the addition of the MK-48 ADCAP workload makes these methods no longer feasible. The ADCAP program has more stringent security and inventory regulations which must be accommodated.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION

NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON

4. PROJECT TITLE AUTOMATED MATERIALS HANDLING FACILITY	5. PROJECT NUMBER P-295

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED:
Increased costs and turn-around time for the MK-48 and ADCAP torpedoes caused by the congested work areas and increased rework because of components being damaged from multiple handling.

ADDITIONAL:
An economic analysis has been performed and indicates a payback period of less than 2 years.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	08-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	60
(C) DATE DESIGN 35% COMPLETE	12-86
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(350)
(B) ALL OTHER DESIGN COSTS	(400)
(C) TOTAL	750
(D) CONTRACT	(725)
(E) IN-HOUSE	(25)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
INVENTORY COMPUTER SYS	WPN-3	1990	1,440
		TOTAL	1,440

1. COMPONENT NAVY	2. DATE

FY 1991 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON	4. PROJECT TITLE FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	730.10	P-309	1,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE STATION	SF	7,690	-	650
BUILDING	SF	4,800	104.00	(500)
FIRE STATION RENOVATION	SF	2,890	52.00	(150)
SUPPORTING FACILITIES	-	-	-	340
UTILITIES	LS	-	-	(270)
PAVING AND SITE IMPROVEMENT	LS	-	-	(70)
SUBTOTAL	-	-	-	990
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	1,040
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	60
TOTAL REQUEST	-	-	-	1,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building, concrete floor and foundation, masonry walls, built-up roof over metal decking, hose drying tower, fire protection system, ventilation, utilities; interior renovation of existing fire house for administration space and communication center.

11. REQUIREMENT: 7,690 SF ADEQUATE: 0 SF SUBSTANDARD: (2,890) SF

PROJECT:

Constructs a two-company fire station and alters vacated building for a communications center. (Current mission.)

REQUIREMENT:

Adequate facilities to insure fire protection for personnel and ammunition facilities. Response time between fire station and ship berthing and pier facilities must be less than four and one-half minutes or be within two miles of the waterfront where ships berth and load or unload ordnance and ammunition.

CURRENT SITUATION:

Fire protection for this remote location is provided by station forces. The existing fire station is located on the south end of the island and cannot meet the response time or distance requirement. The existing facility only accommodates one fire company whereas two companies are required to satisfy the fire protection support necessary to prevent a major catastrophe in the event of an explosion or fire. The vacated fire house will be altered to provide a central communications center. There is presently no communications center capability on the island.

IMPACT IF NOT PROVIDED:

Fire protection for personnel safety and ammunition facilities would continue to be marginal and may jeopardize the handling and security of ordnance.

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON

4. PROJECT TITLE
FIRE STATION

5. PROJECT NUMBER
P-309

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED. 04-86
(B) PERCENT COMPLETE AS OF JANUARY 1990. 100
(C) DATE DESIGN 35% COMPLETE 11-86
(D) DATE DESIGN COMPLETE 04-87

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (65)
(B) ALL OTHER DESIGN COSTS . . . . (45)
(C) TOTAL. 110
(D) CONTRACT . . . . (90)
(E) IN-HOUSE . . . . (20)

(4) CONSTRUCTION START. 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON	4. PROJECT TITLE SUBMARINE WEAPONS SYSTEMS SHOP

5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 213.51	7. PROJECT NUMBER P-337	8. PROJECT COST ($000) 10,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SUBMARINE WEAPONS SYSTEMS SHOP	SF	74,400	-	8,370
BUILDING	SF	74,400	111.00	(8,260)
BUILT-IN EQUIPMENT	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	750
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(220)
UTILITIES	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(220)
SUBTOTAL	-	-	-	9,120
CONTINGENCY (5%)	-	-	-	460
TOTAL CONTRACT COST	-	-	-	9,580
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	570
TOTAL REQUEST	-	-	-	10,150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame and masonry building, pile foundation, concrete floors, built-up roof, shops, laboratories, office spaces, staging and storage areas, vault, computer room with computer flooring, training room, shielding; 400 Hz electric power, high and low pressure air systems, temperature and humidity controlled areas, ventilation, cooled water system, fire protection system, air conditioning, utilities; demolition of one building.

11. REQUIREMENT: 74,400 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a facility to accommodate five vital submarine weapons shop functions, and consolidates 22 scattered submarine weapons activities. (Current mission.)

REQUIREMENT:

Adequate component repair, upgrade, refurbishment and test space for fire control, defensive weapon, combat control and sonar systems to support SSN 637, 688, and 21 classes of SSBN submarines. Keyport is the designated Navy Depot for these critical submarine weapons systems and adequate facilities to support present and new programs are essential. Depot facilities must be available for a nearly five-fold increase in sonar systems between 1986 and 1992. Combat control system support will increase by 150% during the same period. For the SSBN combat system, sonar and defensive weapon systems work will also grow. Further requirements include a 167% increase in fire control system refurbishment work.

CURRENT SITUATION:

Inadequate, crowded and inefficient weapons systems' shop spaces are contributing to high cost operations because there is a wide separation of related industrial functions. Existing program needs occupy all available spaces. Present shop and test functions occupy portions of 22 separate buildings spread over four sites, Keyport and Bangor-6 miles away, Brownsville-3 miles away, and Indian Island-36 miles away. These

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON

4. PROJECT TITLE

SUBMARINE WEAPONS SYSTEMS SHOP

5. PROJECT NUMBER

P-337

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

widely dispersed locations result in unnecessary travel, security problems, inefficient personnel usage, increased technical response time, and an absence of centralized, cost-effective management. It is estimated $50,000 annually in equipment damage is incurred because of movement between work locations.

IMPACT IF NOT PROVIDED:

Submarine combat readiness critical to the national defense will be adversely impacted. Severe overcrowding will continue and will worsen resulting in diminished response time to the fleet. Lost personnel-time because of unnecessary travel between the scattered sites, now computed at about 1,700 man hours annually, will be certain to increase. Added activity costs will be incurred for leasing of commercial, nonsecure spaces to accommodate five new programs.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(490)
(B) ALL OTHER DESIGN COSTS	(165)
(C) TOTAL	655
(D) CONTRACT	(605)
(E) IN-HOUSE	(50)
(4) CONSTRUCTION START	12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, OAK HARBOR, WASHINGTON	4. COMMAND NAVAL MEDICAL COMMAND	5. AREA CONSTR COST INDEX 1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	54	112	61	0	0	0	0	0	0	227
b. END FY 1995	59	124	61	0	0	0	0	0	0	244

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NAS
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY.	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,180
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY.	0
h. GRAND TOTAL	2,180

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	AVIAT PHYSIOLOGY TRG FAC	13,800 SF	2,180	11/85	12/89
	TOTAL		2,180		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

(Aviation Physiology Training Unit): Provide indoctrination and refresher training to aircrew in aviation physiology and life support equipment. Instruction on respiration, circulation, acceleration, spatial orientation and vision to enable pilots and aircrewmen to become familiar with their physical limitations and thus react better to emergency situations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL,
OAK HARBOR, WASHINGTON

4. PROJECT TITLE

AVIATION PHYSIOLOGY TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	171.20	P-007	2,180

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION PHYSIOLOGY TRAINING FACILITY	SF	13,800	120.00	1,660
SUPPORTING FACILITIES	-	-	-	300
ELECTRICAL UTILITIES	LS	-	-	(80)
MECHANICAL UTILITIES	LS	-	-	(90)
PAVING & SITE IMPR, RELOCATE, DEMOLITION	LS	-	-	(130)
SUBTOTAL	-	-	-	1,960
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	2,060
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	120
TOTAL REQUEST	-	-	-	2,180
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building, concrete foundation and floor, pre-cast concrete wall panels, built-up roof; administration, classrooms, specialized training and equipment rooms, instructors offices, fire protection system, air conditioning, utilities; relocate low-pressure altitude training chamber and ejection seat trainer devices; provide specialized equipment support, and technical operating manuals to support training units; demolition of one building.

11. REQUIREMENT: 13,800 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs training facility including administrative space, classrooms, low-pressure chamber, and ejection seat training devices. (Current mission.)

REQUIREMENT:

Adequate space to accommodate aviation physiology and water survival classroom training for all aviation personnel in the northwest region including fleet aviation base loading at Whidbey Island for 21 squadrons. This project will relieve congestion and fragmentation of services.

CURRENT SITUATION:

Functions are now carried out in an inadequate area having structural and OSHA deficiencies and less than half the space required, and inconveniently located a considerable distance from the hospital. Austere facilities are not conducive to the presentation, practical application, and retention of vital training in flight stress and emergency procedures. Wide separation of the training spaces and classrooms from the medical facility results in excessive travel time and wasted motion. No other facilities are available of sufficient size or proper location to house these functions.

IMPACT IF NOT PROVIDED:

Unable to comply with directives to provide sufficient avaiation physiology and aircrew flight equipment training to all Fleet aviation personnel.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, OAK HARBOR, WASHINGTON

4. PROJECT TITLE

AVIATION PHYSIOLOGY TRAINING FACILITY

5. PROJECT NUMBER

P-007

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 119C, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	11-85
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	06-89
(D) DATE DESIGN COMPLETE	12-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(115)
(B) ALL OTHER DESIGN COSTS	(140)
(C) TOTAL	255
(D) CONTRACT	(240)
(E) IN-HOUSE	(15)

(4) CONSTRUCTION START 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC,
SILVERDALE, WASHINGTON

4. COMMAND

STRATEGIC SYSTEMS
PROJECTS OFFICE

5. AREA CONSTR COST INDEX

1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	17	91	352	0	0	0	0	0	0	460
b. END FY 1995	17	98	356	0	0	0	0	0	0	471

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0)	
b. INVENTORY TOTAL AS OF 30 SEP 89	118,910
c. AUTHORIZATION NOT YET IN INVENTORY	15.060
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	56,480
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	49,590
f. PLANNED IN NEXT THREE PROGRAM YEARS	92,566
g. REMAINING DEFICIENCY	7,500
h. **GRAND TOTAL**	340,106

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	ENGINEERING SERVICES BLDG	21.100	SF	3.520	08/88	04/90
421.62	MAGAZINE MODIFICATIONS	LS		800	03/89	04/90
212.30	MISSILE ASSEMBLY BLDG	24.550	SF	7,340	05/88	11/89
212.30	MOTOR INSPECTION BUILDING	16.300	SF	6.630	12/88	04/90
212.30	RADIOGRAPHIC INSPEC BLDG	29.930	SF	13,870	12/38	08/90
171.20	TRAINING FACILITY ADDITION	39.500	SF	9.740	12/88	08/90
143.60	TRANSFER FACILITY ADDITION	10.050	SF	3.520	06/87	12/89
932.20	UTILS & SITE IMPROVEMENTS	LS		11,060	08/88	04/90
	TOTAL			56.480		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

152.10	EHW MODIFICATION	LS		545	-	-
212.77	LAUNCHER SUPPORT BUILDING	8.840	SF	2.880	-	-
212.30	MISSILE ASSEMBLY BLG & CSA	LS		350	-	-
212.30	MISSILE ASSEMBLY BUILDING	16.790	SF	7,400	-	-
421.72	MISSILE MOTOR MAGS	LS		11,900	-	-
421.72	MSL MOTOR MAGS MODS	LS		6,600	-	-
421.72	REENTRY BODY MAGS	LS		8.400	-	-
932.20	UTILITIES & SITE IMPVS	LS		11,515	-	-
	TOTAL			49.590		

10. MISSION OR MAJOR FUNCTIONS:

Provide support on west coast for the operational TRIDENT system of submarines and long range missiles, including processing capability for assembly and disassembly of both explosive and non-explosive components of the TRIDENT II (D-5) missile.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT		2. DATE
NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	ENGINEERING SERVICES BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	610.10	P-806	3,520

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINEERING SERVICES BUILDING	SF	21,100	118.00	2,490
SUPPORTING FACILITIES	-	-	-	670
ELECTRICAL UTILITIES	LS	-	-	(190)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(350)
SUBTOTAL	-	-	-	3,160
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,320
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	200
TOTAL REQUEST	-	-	-	3,520
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel-frame building, reinforced concrete panel walls, concrete foundation and floor, single-ply membrane roof, computer flooring; fire protection system; communications; underground utilities duct system; utilities; storm drainage; air conditioning.

11. REQUIREMENT: 94,200 SF ADEQUATE: 73,100 SF SUBSTANDARD: 0 SF

PROJECT:
Provides an engineering services building. (New mission.)

REQUIREMENT:
Adequate administrative, engineering, training, supply, data processing, and computer equipment spaces to support TRIDENT II missile production.

CURRENT SITUATION:
A TRIDENT II missile processing capability does not currently exist at the base. The existing engineering services building is being fully utilized to support TRIDENT I missile production.

IMPACT IF NOT PROVIDED:
The base will be incapable of housing engineering administrative personnel and computer equipment required to support the TRIDENT II Strategic Weapons Facility production operations.

12. SUPPLEMENTAL DATA

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	08-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	02-89
(D) DATE DESIGN COMPLETE	04-90

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON		
4. PROJECT TITLE ENGINEERING SERVICES BUILDING		5. PROJECT NUMBER P-806

12. SUPPLEMENTAL DATA: (CONTINUED)

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

		($000)
(3)	TOTAL COST (C) = (A) + (B) OR (D) + (E):	
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(185)
(B)	ALL OTHER DESIGN COSTS	(230)
(C)	TOTAL	415
(D)	CONTRACT	(390)
(E)	IN-HOUSE	(25)

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	4. PROJECT TITLE MISSILE ASSEMBLY BUILDING

5. PROGRAM ELEMENT 0101228N	6. CATEGORY CODE 212.30	7. PROJECT NUMBER P-937	8. PROJECT COST ($000) 7,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE ASSEMBLY BUILDING	SF	24,550	-	4,770
BUILDING	SF	24,550	174.00	(4,270)
BUILT-IN EQUIPMENT	LS	-	-	(500)
SUPPORTING FACILITIES	-	-	-	1,820
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(110)
ELECTRICAL UTILITIES	LS	-	-	(400)
MECHANICAL UTILITIES	LS	-	-	(620)
PAVING AND SITE IMPROVEMENT	LS	-	-	(690)
SUBTOTAL	-	-	-	6,590
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST	-	-	-	6,920
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	420
TOTAL REQUEST	-	-	-	7,340
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(6,880)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel-frame building with high-bay area, special concrete foundation and floors, insulated masonry and metal walls, single-ply membrane roof, loading dock; fire protection system; lightning protection; electrical and mechanical utilities; storm drainage; earth berms; cranes; air conditioning.

11. REQUIREMENT: 222,020 SF ADEQUATE: 197,470 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a missile assembly building. (New mission.)

REQUIREMENT:

Adequate missile processing facilities to maintain the required production rate for TRIDENT II missiles. Activities include missile section buildup, horizontal missile assembly/disassembly, nose fairing mate/demate, missile transfer to and from missile transporter, missile systems testing, post-mate checkout, and final missile inspection, checkout and transfer of TRIDENT II missiles.

CURRENT SITUATION:

A TRIDENT II missile processing capability does not currently exist at this facility. Existing missile assembly buildings cannot provide the total required processing capability for TRIDENT I and II missiles.

IMPACT IF NOT PROVIDED:

The increased production rate of TRIDENT II missiles required to support the Pacific Fleet deployment schedule will not be possible.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE MISSILE ASSEMBLY BUILDING	5. PROJECT NUMBER P-937

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 05-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 100
(C) DATE DESIGN 35% COMPLETE 11-88
(D) DATE DESIGN COMPLETE 11-89

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (400)
(B) ALL OTHER DESIGN COSTS . . . . (280)
(C) TOTAL 680
(D) CONTRACT . . . . (660)
(E) IN-HOUSE . . . . (20)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ELECTRICAL, MECHANICAL AND TECHNICAL EQUIPMENT	WPN	1989	6,880
		TOTAL	6,880

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	4. PROJECT TITLE MOTOR INSPECTION BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	212.30	P-809	6,630

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MOTOR INSPECTION BUILDING	SF	16,300	-	5,100
BUILDING	SF	16,300	221.00	(3,600)
BUILT-IN EQUIPMENT	LS	-	-	(1,500)
SUPPORTING FACILITIES	-	-	-	860
ELECTRICAL UTILITIES	LS	-	-	(230)
MECHANICAL UTILITIES	LS	-	-	(90)
LIGHTNING PROTECTION	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT	LS	-	-	(320)
SUBTOTAL	-	-	-	5,960
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST	-	-	-	6,260
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	370
TOTAL REQUEST	-	-	-	6,630
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(2,070)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story concrete and steel frame masonry building, concrete foundation, frangible siding, single-ply membrane roof; underground utilities distribution; mechanical utilities; electrical substation and utilities; fire protection system; lightning protection; cranes; air conditioning; berms; storm drainage.

11. REQUIREMENT: 213,770 SF ADEQUATE: 197,470 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a Motor Inspection Building. (New mission.)

REQUIREMENT:

Adequate facilities to maintain the required rate of first, second and third stage motor processing for TRIDENT II missiles. Activities include thrust and vector control system installation and removal, motor pressurization leak testing, conduit installation and removal, igniter replacement, motor repair and nozzle replacement.

CURRENT SITUATION:

A TRIDENT II missile processing capability does not currently exist at the base.

IMPACT IF NOT PROVIDED:

The base will be unable to fulfill its function as a TRIDENT II missile assembly facility in support of the Pacific Fleet deployment schedule.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	12-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	95

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE

MOTOR INSPECTION BUILDING

5. PROJECT NUMBER

P-809

12. SUPPLEMENTAL DATA: (CONTINUED)

(C) DATE DESIGN 35% COMPLETE 08-89
(D) DATE DESIGN COMPLETE 04-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (430)
(B) ALL OTHER DESIGN COSTS . . . . (300)
(C) TOTAL 730
(D) CONTRACT . . . . (690)
(E) IN-HOUSE . . . . (40)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ELECTRICAL, MECHANICAL AND TECHNICAL EQUIPMENT	WPN	1989 - 1990	2,070
		TOTAL	2,070

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON		4. PROJECT TITLE RADIOGRAPHIC INSPECTION BUILDING	
5. PROGRAM ELEMENT 0101228N	6. CATEGORY CODE 212.30	7. PROJECT NUMBER P-807	8. PROJECT COST ($000) 13,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RADIOGRAPHIC INSPECTION BUILDING	SF	29,930	-	11,560
BUILDING	SF	29,930	318.00	(9,520)
BUILT-IN EQUIPMENT	LS	-	-	(2,040)
SUPPORTING FACILITIES	-	-	-	900
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(70)
LIGHTNING PROTECTION	LS	-	-	(180)
PAVING AND SITE IMPROVEMENT	LS	-	-	(450)
SUBTOTAL	-	-	-	12,460
CONTINGENCY (5%)	-	-	-	620
TOTAL CONTRACT COST	-	-	-	13,080
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	790
TOTAL REQUEST	-	-	-	13,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(21,460)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story steel frame and concrete building on reinforced concrete foundation with high-bay motor inspection cells, single-ply membrane roof, concrete floor with elevator/turntable pits and downender pits; underground utilities distribution; mechanical and electrical utilities; radiation shielding; fire protection system; lightning protection; communications; earth berms; storm drainage; cranes; air conditioning.

11. REQUIREMENT: 227,400 SF ADEQUATE: 197,470 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a radiographic inspection building. (New mission.)

REQUIREMENT:

Adequate facilities to maintain the required rate of radiographic inspection of TRIDENT II first, second, and third stage motors and small ordnance items. Activities include erecting rocket motors, transporting and positioning motors for radiographic inspection, x-ray inspection of gas generators and other small ordnance items, and x-ray film processing support.

CURRENT SITUATION:

A TRIDENT II radiographic inspection capability does not currently exist at this facility.

IMPACT IF NOT PROVIDED:

This facility will not be able to conduct radiographic inspection of TRIDENT II motors, adversely impacting missile reliability.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE

RADIOGRAPHIC INSPECTION BUILDING

5. PROJECT NUMBER

P-807

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	12-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	85
(C) DATE DESIGN 35% COMPLETE	08-89
(D) DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(645)
(B) ALL OTHER DESIGN COSTS	(320)
(C) TOTAL	965
(D) CONTRACT	(905)
(E) IN-HOUSE	(60)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ELECTRICAL, MECHANICAL AND TECHNICAL EQUIPMENT	WPN	1990	21,460
		TOTAL	21,460

DD FORM 1391C
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	4. PROJECT TITLE TRAINING FACILITY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	171.20	P-935	9,740

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRAINING FACILITY ADDITION	SF	39,500	-	7,450
BUILDING ADDITION	SF	39,500	152.00	(6,000)
BUILDING MODIFICATIONS	LS	-	-	(180)
BUILT-IN EQUIPMENT	LS	-	-	(1,150)
TECHNICAL OPERATION MANUALS	LS	-	-	(120)
SUPPORTING FACILITIES	-	-	-	1,300
ELECTRICAL UTILITIES	LS	-	-	(220)
MECHANICAL UTILITIES	LS	-	-	(360)
PAVING AND SITE IMPROVEMENT	LS	-	-	(720)
SUBTOTAL	-	-	-	8,750
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,190
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	550
TOTAL REQUEST	-	-	-	9,740
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(237,410)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Concrete and masonry building addition with steel framing, electrical and mechanical utilities, emergency electric power, raised flooring, air conditioning, fire protection system, lightning protection; utilities.

11. REQUIREMENT: 364,000 SF ADEQUATE: 324,500 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an addition and modifications to the existing TRIDENT Training Facility. (New mission.)

REQUIREMENT:

Replacement, conversion, advanced and team training on missile launcher, fire control, and navigation equipment for crews of the TRIDENT II Pacific Submarine Fleet.

CURRENT SITUATION:

There is currently no facility for TRIDENT II training of crews for the TRIDENT II Pacific Submarine Fleet. Training of TRIDENT II crews cannot be conducted on existing TRIDENT I equipment. Phasing of existing Pacific Fleet SSBNs from TRIDENT I to TRIDENT II configuration precludes conversion of existing TRIDENT I trainers to TRIDENT II.

IMPACT IF NOT PROVIDED:

TRIDENT II training would have to be conducted at the Kings Bay TRIDENT Training Facility which would overburden its capacity and would be cost prohibitive. Operational and readiness capabilities of the TRIDENT II Pacific Submarine Fleet will be adversely impacted.

(CONTINUED ON DD 1391C)

DD FORM 1391
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE

TRAINING FACILITY ADDITION

5. PROJECT NUMBER

P-935

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 12-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 65
(C) DATE DESIGN 35% COMPLETE 09-89
(D) DATE DESIGN COMPLETE 08-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (580)
(B) ALL OTHER DESIGN COSTS . . . . (640)
(C) TOTAL 1,220
(D) CONTRACT . . . . (1,160)
(E) IN-HOUSE . . . . (60).

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
TACTICAL AND TRAINING EQUIPMENT	OPN	1988 - 1994	237,410
		TOTAL	237,410

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**		2. DATE
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC. SILVERDALE, WASHINGTON		4. PROJECT TITLE TRANSFER FACILITY ADDITION	
5. PROGRAM ELEMENT 0101228N	6. CATEGORY CODE 143.60	7. PROJECT NUMBER P-957	8. PROJECT COST ($000) 3,520

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRANSFER FACILITY	SF	10,050	-	2,280
BUILDING ADDITION	SF	10,050	205.00	(2,060)
BUILT-IN EQUIPMENT	LS	-	-	(220)
SUPPORTING FACILITIES	-	-	-	880
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(220)
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(320)
SUBTOTAL	-	-	-	3,160
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,320
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	200
TOTAL REQUEST	-	-	-	3,520
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story steel frame building addition, concrete foundation, engineered fill, masonry and metal panel walls, single-ply membrane roof; special floors, lightning protection; fire protection system; crane; air conditioning, utilities; storm drainage; rail spur

11. REQUIREMENT: 20,740 SF ADEQUATE: 10,690 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a TRIDENT II missile transfer facility. (New mission.)

REQUIREMENT:

Adequate facilities for the receiving and shipping of missile motors, active/inert missiles (AIM), and small ordnance components, and for the transfer of these items from interstate carriers to on-base transporters for delivery to production building storage

CURRENT SITUATION:

A TRIDENT II missile processing capability does not currently exist at the base.

IMPACT IF NOT PROVIDED:

The Strategic Weapons Facility will be incapable of receiving and shipping AIMs, missile motors, and small ordnance in support of the TRIDENT II production operations.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-87
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	10-88

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON		
4. PROJECT TITLE TRANSFER FACILITY ADDITION		5. PROJECT NUMBER P-957

12. SUPPLEMENTAL DATA: (CONTINUED)

(D) DATE DESIGN COMPLETE 12-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES__ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3)	TOTAL COST (C) = (A) + (B) OR (D) + (E):	($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(190)
(B)	ALL OTHER DESIGN COSTS	(130)
(C)	TOTAL	320
(D)	CONTRACT	(310)
(E)	IN-HOUSE	(10)

(4) CONSTRUCTION START . . . . 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY **FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	4. PROJECT TITLE UTILITIES AND SITE IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	932.20	P-808	11,060

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES AND SITE IMPROVEMENTS	LS	-	-	9,930
UTILITIES AND SITE IMPROVEMENT	LS	-	-	(9,390)
DEMOLITION	LS	-	-	(540)
SUBTOTAL	-	-	-	9,930
CONTINGENCY (5%)	-	-	-	500
TOTAL CONTRACT COST	-	-	-	10,430
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	630
TOTAL REQUEST	-	-	-	11,060
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Utility and communications systems modifications and expansion, lightning protection; site improvements including earth retention structures and earth berms, paving, railroad modifications, security lighting and fencing, guard towers, storm drainage; demolition of one building; environmental mitigation.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs and upgrades utilities, roads, railroad facilities, communication systems, site improvements, and security facilities to support TRIDENT II weapons system. (New mission.)

REQUIREMENT:

Adequate utilities, roads, and site improvements to support new construction and modifications to existing facilities at the Strategic Weapons Facility, Pacific (SWFPAC) for upgrade to TRIDENT II weapons system capability. Infrastructure upgrade prior to building construction or modifications is required to allow uninterrupted accomplishment of the TRIDENT I weapons system mission and is critical to orderly and cost-efficient development of TRIDENT II weapons system capability at SWFPAC.

CURRENT SITUATION:

Present utilities, roads and site infrastructure are inadequate to accommodate the transition to TRIDENT II weapons system capability.

IMPACT IF NOT PROVIDED:

The activity base will not be able to fulfill its function as a TRIDENT II production facility in support of the Pacific Fleet deployment schedule

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE

UTILITIES AND SITE IMPROVEMENTS

5. PROJECT NUMBER

P-808

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	08-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	02-89
(D) DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(290)
(B) ALL OTHER DESIGN COSTS	(300)
(C) TOTAL	590
(D) CONTRACT	(550)
(E) IN-HOUSE	(40)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR COST INDEX 1.16

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	925	7144	795	224	331	0	0	0	0	9419
b. END FY 1995	936	7355	795	224	331	0	0	0	0	9641

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (70,988)	
b. INVENTORY TOTAL AS OF 30 SEP 89	219,830
c. AUTHORIZATION NOT YET IN INVENTORY	29,820
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	19,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	22,670
f. PLANNED IN NEXT THREE PROGRAM YEARS	3,060
g. REMAINING DEFICIENCY	33,110
h. **GRAND TOTAL**	327,590

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	OPR & MAINT TRNR FAC-ICR I	103,000 SF	19,100	05/89	11/90
	TOTAL		19,100		

9. FUTURE PROJECTS

	A. INCLUDED IN FOLLOWING PROGRAM (FY 92)				
211.07	AIRCRAFT MAINT FACILITIES	LS	8,800	-	-
171.35	AIRCRAFT TRNG BLDG (PH II)	31,000 SF	5,000	-	-
171.20	FLEET TRAINING FACILITY	41,340 SF	8,870	-	-
	TOTAL		22,670		
	B. MAJOR PLANNED NEXT THREE YEARS				
171.35	OPERATIONAL TRAINER FAC	7,940 SF	1,160		
171.35	OPERATIONAL TRNR FAC ADDN	8,680 SF	1,900		

10. MISSION OR MAJOR FUNCTIONS

Maintain and operate facilities and provide services and material to support operations of aviation activities of the Pacific Fleet. Homeport for six Pacific Fleet medium attack jet aircraft and all electronic countermeasures aircraft serving both the Atlantic and Pacific Fleets.

Medium Attack Carrier Air Wing	Naval Air Reserve Squadrons
Six Attack Squadrons	12 Electronic Countermeasures Squadrons

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A: POLLUTION ABATEMENT	420
B: INSTALLATION RESTORATION	48,880
C: OCCUPATIONAL SAFETY AND HEALTH (OSH)	5,600

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON		4. PROJECT TITLE OPERATIONAL AND MAINTENANCE TRAINER FACILITY (INCR I)	
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 171.35	7. PROJECT NUMBER P-889	8. PROJECT COST ($000) 19,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL & MAINTENANCE TRAINER FACILITY	SF	103,000	-	11,990
BUILDING	SF	103,000	115.00	(11,850)
BUILT-IN EQUIPMENT	LS	-	-	(140)
SUPPORTING FACILITIES	-	-	-	5,170
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(900)
UTILITIES	LS	-	-	(1,650)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(2,620)
SUBTOTAL	-	-	-	17,160
CONTINGENCY (5%)	-	-	-	860
TOTAL CONTRACT COST	-	-	-	18,020
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	1,080
TOTAL REQUEST	-	-	-	19,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(124,920)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One and two-story steel frame building, pile foundation, reinforced concrete and masonry walls, concrete floors, single membrane roofing, high-bay areas, computer flooring, electromagnetic interference shielding, acoustic attenuation, monorail hoist, bridge crane, security fence and lighting, fire protection system, environmental control, air conditioning, ventilation, utilities; vehicle parking area; demolition of two buildings, asbestos removal; physical security support features in adjacent hangar.

11. REQUIREMENT: 217,500 SF ADEQUATE: 114,500 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs operational and maintenance training facilities for new tactical aircraft. (New mission.)

REQUIREMENT:

Adequate and properly-configured training facilities to accommodate a new tactical aircraft mission. This is the first of three increments to support operational and maintenance trainers and associated training facilities including classrooms. Equipment delivery is scheduled for 1992.

CURRENT SITUATION:

Existing facilities are adequate to support presently assigned aircraft and mission. No facilities are currently available to support the new aircraft mission.

IMPACT IF NOT PROVIDED:

Facilities will not be available to support new tactical aircraft mission.

(CONTINUED ON DD 1391C)

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1DEC76

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1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON

4. PROJECT TITLE

OPERATIONAL AND MAINTENANCE TRAINER FACILITY (INCR I)

5. PROJECT NUMBER

P-889

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	60
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	11-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO x

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(640)
(B) ALL OTHER DESIGN COSTS	(320)
(C) TOTAL	960
(D) CONTRACT	(930)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 02-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
WEAPON SYSTEMS TRAINER	RDT&E	1990	54,310
AIRCRAFT SYSTEMS TRAINER	RDT&E	1990	14,720
MAINTENANCE TRAINING EQUIPMENT	RDT&E	1990	55,890
		TOTAL	124,920

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL FACILITY,
WHIDBEY ISLAND, WASHINGTON

4. COMMAND

COMMANDER IN CHIEF,
PACIFIC FLEET

5. AREA CONSTR COST INDEX

1.16

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	16	224	8	0	0	0	0	0	0	248
b. END FY 1995	19	195	8	0	0	0	0	C	0	222

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NAS
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,750
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	1,750

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811.60	ELECTRIC PWR IMPROVES	LS	1,750	02/89	06/90
	TOTAL		1,750		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

To conduct oceanographic obsevations in selected areas in order to provide the U.S Navy with more extensive information on oceanographic conditions in those areas.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A. POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

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1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL FACILITY, WHIDBEY ISLAND, WASHINGTON	4. PROJECT TITLE ELECTRIC POWER IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0205096N	811.60	P-030	1,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRIC POWER IMPROVEMENTS	LS	-	-	1,460
ELECTRICAL SYSTEM UPGRADE	LS	-	-	(990)
BUILDING ADDITION	SF	4,700	100.00	(470)
SUPPORTING FACILITIES	-	-	-	110
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(60)
SUBTOTAL	-	-	-	1,570
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,650
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	100
TOTAL REQUEST	-	-	-	1,750
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story building addition, security hardened reinforced concrete walls, concrete floor, pile foundation, built-up roof, fire protection system, upgrade generators, switching equipment, controls.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides additional technical power to process and analyze technical data. (Current mission.)

REQUIREMENT:

Project requirement classified. Additional data available upon request.

CURRENT SITUATION:

Present technical power capability will be exceeded with the installation of additional equipment.

IMPACT IF NOT PROVIDED:

Classified. Additional data available upon request.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	95
(C) DATE DESIGN 35% COMPLETE	07-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_Y_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL FACILITY, WHIDBEY ISLAND, WASHINGTON

4. PROJECT TITLE ELECTRIC POWER IMPROVEMENTS	5. PROJECT NUMBER P-030

12. SUPPLEMENTAL DATA: (CONTINUED)

(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(90)
(B) ALL OTHER DESIGN COSTS	(95)
(C) TOTAL.	185
(D) CONTRACT	(175)
(E) IN-HOUSE	(10)
(4) CONSTRUCTION START.	01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

PROJECT JUSTIFICATION FORMS OUTSIDE THE UNITED STATES

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL MAGAZINE, GUAM	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR COST INDEX 2.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	21	175	69	0	0	0	0	0	0	265
b. END FY 1995	20	175	69	0	0	0	0	0	0	264

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (8,838)	
b. INVENTORY TOTAL AS OF 30 SEP 89	37,120
c. AUTHORIZATION NOT YET IN INVENTORY	11,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,319
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,100
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	32,580
h. **GRAND TOTAL**	91,819

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.72	TOMAHAWK SUPPORT COMPLEX	17,000 SF	9,319	03/89	06/90
	TOTAL		9,319		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

216.55	TOMAHAWK FACILITY	1,060 SF	1,100	-	-
	TOTAL		1,100		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

Receives, renovates, maintains, stores and issues ammunition, explosives, and expendable ordnance items. Also supports the U.S. Air Forces, the Government of Guam, Trust Territories of the Pacific Islands and other government and authorized agencies.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	20
B: INSTALLATION RESTORATION	250
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

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1DEC76

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**
	2. DATE

3. INSTALLATION AND LOCATION NAVAL MAGAZINE, GUAM	4. PROJECT TITLE TOMAHAWK SUPPORT COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204996N	421.72	P-809	9,319

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TOMAHAWK SUPPORT COMPLEX	SF	17,000	-	4,780
MISSILE MAGAZINE	SF	9,000	362.00	(3,260)
INERT STOREHOUSE	SF	8,000	168.00	(1,340)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES	-	-	-	3,550
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(1,730)
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,300)
SUBTOTAL	-	-	-	8,330
CONTINGENCY (5%)	-	-	-	420
TOTAL CONTRACT COST	-	-	-	8,750
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	569
TOTAL REQUEST	-	-	-	9,319
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One earth-covered reinforced concrete five-bay missile magazine, 25-foot wide doors; one-story reinforced concrete inert storehouse with 24-foot wide doors; pile foundation, concrete floors, lightning and grounding systems, erosion control, access road, service area; fire protection system, mechanical ventilation, utilities.

11. REQUIREMENT: 17,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides inert storage facility and missile magazine storage to support TOMAHAWK Cruise Missiles. (New mission.)

REQUIREMENT:

Adequate storage facilities to accommodate the physical requirements of TOMAHAWK Cruise Missiles in a controlled security area.

CURRENT SITUATION:

There are no magazine facilities existing that can be modified and outfitted for stowing TOMAHAWK missiles.

IMPACT IF NOT PROVIDED:

Naval Magazine Guam cannot adequately support the TOMAHAWK Missile.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(CONTINUED ON DD 1391C)

DD FORM 1391
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL MAGAZINE, GUAM		
4. PROJECT TITLE TOMAHAWK SUPPORT COMPLEX		5. PROJECT NUMBER P-809

12. SUPPLEMENTAL DATA: (CONTINUED)

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):		($000)
	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(240)
	(B) ALL OTHER DESIGN COSTS	(340)
	(C) TOTAL	580
	(D) CONTRACT	(480)
	(E) IN-HOUSE	(100)
(4) CONSTRUCTION START		11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, GUAM	4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND	5. AREA CONSTR COST INDEX 2.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	13	0	1430	0	0	0	4	0	0	1447
b. END FY 1995	13	0	1430	0	0	0	4	0	0	1447

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,095)	
b. INVENTORY TOTAL AS OF 30 SEP 89		306,710
c. AUTHORIZATION NOT YET IN INVENTORY		13,720
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		7,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,380
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		28,990
h. **GRAND TOTAL**		363,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.10	SANITARY WSTWTR SYS UPGRAD	LS	7,500	05/85	09/90
	TOTAL		7,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

811.25	BOILER PLANT MODS	LS	2,000	-	-
441.30	HAZ/FLAMM STORAGE FAC	16,600 SF	3,720	-	-
411.30	OIL SPILL PREVENTION	LS	660	-	-
	TOTAL		6,380		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide maintenance, repair, minor construction and other public works support, including transportation equipment, utilities, telephone, Navy housing, engineering services, and shore facilities planning assistance for Naval forces in the Guam area. Also supports the US Air Force, Government of Guam, Trust Territories of the Pacific Islands and other government and authorized agencies.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	710
B: INSTALLATION RESTORATION	2,860
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	4,400

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEFLAVIK, ICELAND	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR COST INDEX 4.01

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	303	2710	1644	0	0	0	111	356	0	5124
b. END FY 1995	304	2714	1644	0	0	0	111	356	0	5129

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (23,340)	
b. INVENTORY TOTAL AS OF 30 SEP 89	346,020
c. AUTHORIZATION NOT YET IN INVENTORY	85,160
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,440
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,600
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,750
g. REMAINING DEFICIENCY	160,530
h. **GRAND TOTAL**	602,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411.20	FUEL FACILITIES	LS	2,440	04/89	04/90
	TOTAL		2,440		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

124.30	FUEL FACILITY (PH-7)	LS	5,600	-	-
	TOTAL		5,600		

B. MAJOR PLANNED NEXT THREE YEARS:

411.20	FUEL FACS	LS	1,200
872.15	FLIGHT LINE SEC IMPRVS	11,600 LF	1,550
872.15	FLIGHT LINE SEC IMPRVS	11,600 LF	1,550

10. MISSION OR MAJOR FUNCTIONS:

Iceland's location astride the Greenland-Iceland-Norway gap affords Navy land-based, anti-submarine forces a forward operating airfield and support complex. This facility also supports USAF Airborne (AWACS) and fighter-interceptor units in the air defense mission. Communications facilities provide essential coverage for Naval units operating in the North Atlantic and Norwegian Sea. Wartime contingency roles for this base would include critical support to military airlift and air defense augmentation missions.

ASW (P-3) Patrol Squadron	Commander, Iceland Defense Force
Fighter Interceptor Squadron (F-15)	Commander, Fleet Air Keflavik
Security Group Activity	Communications Station
Airborne Warning and Control System (AWACS) Det (E-3A)	Naval Facility
	Four Aircraft Control and Warning Sites

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	26,400
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEFLAVIK, ICELAND	4. PROJECT TITLE FUEL FACILITIES

5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 411.20	7. PROJECT NUMBER P-463	8. PROJECT COST ($000) 2,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL FACILITIES.	LS	-	-	27,730
SUBTOTAL	-	-	-	27,730
LESS: NATO SHARE.	-	-	-	-26,370
SUBTOTAL	-	-	-	1,360
CONTINGENCY-U.S. PORTION (5%).	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,430
SUPERVISION, INSPECTION & OVERHEAD (6.5%). .	-	-	-	90
U.S. PART OF SIOH FOR NATO PORTION (3.5%). .	-	-	-	920
TOTAL REQUEST.	-	-	-	2,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three semi-buried 660,000-gallon fuel storage tanks, pumps, controls, instrumentation, cathodic protection; splinter-proof reinforced concrete manifold building, filter separators, manifolds, instrumentation, emergency generator, controls, seven-day fuel storage tank; approximately 2.9 miles of 12-inch and 14-inch diameter piping, cathodic protection, eight-hydrants for refuel- defuel operations, double truck fill stand; support facilities; utilities; apron spill protection system.

11. REQUIREMENT: As Required.

PROJECT: Provides three semi-buried fuel storage tanks, splinter-proof manifold and filter separator building, associated distribution piping, fueling hydrants, double truck fill-stand and support facilities. These alert refueling facilities are to serve tactical aircraft stationed at this station. Provides a portion of the main base fuel pipeline loop to permit receipt of the fuel at the ready fuel storage facility from the existing Helguvik fuel depot via the depot transfer pipeline. Storage and distribution facilities for forces assigned to NATO are being funded in conjunction with this project through the Infrastructure Program. (Current mission.)

REQUIREMENT: Adequate facilities to support US national and NATO plans for operations from the Keflavik airfield. A 45-day supply of fuel for contingency aviation and ground operations plus peacetime operating stocks, must be prepositioned in hardened semi-buried tanks. Total requirement of

(Continued on DD 1391c)

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S N 0102 LF 001 3910

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEFLAVIK, ICELAND		
4. PROJECT TITLE FUEL FACILITIES		5. PROJECT NUMBER P-463

11. REQUIREMENT: (Continued)
1,170,000 barrels of fuel will be programmed in seven increments. Overall funding responsibility splits approximately 50/50 US national and NATO. This is the fifth increment and provides on-airfield distribution and dispensing facilities. Incrementing is necessary because of the scope of the overall project and the need to assign work to the Iceland Prime Contractor commensurate with its ability to put work in-place. A deep-water fuel reception pier and transfer system were approved in an earlier request and are required near the fuel farm to permit rapid re-supply of the tanks during a contingency.

CURRENT SITUATION: About half of the total program of eleven tanks, fuel pier, piping and ready issue tanks has been approved and construction is underway. NATO is an equal partner in the funding responsibility of the approved program. This project maintains the 50/50 funding split. Existing fuel storage facilities meet neither US national nor NATO requirements for 45-day, prepositioned storage. Existing on-base storage is capable of holding only one-third of the 45-day supply, with less than half of the tanks in secure, buried positions. Existing above-ground tanks are over 25 years old and the severe weather has deteriorated them. Extensive repairs were made in 1980 to prolong their usefulness until new tanks are built. Tanks provided in the first increment of this program are complete and in use. Remaining available fuel storage is located 60 miles away at Hvalfjordur in leased, above-ground tanks. To reach the station, fuel from leased tanks must be transported by small Icelandic coastal barges to the interim unloading pier in the Town of Keflavik. This method of resupply would not keep pace with demand in a contingency situation.

IMPACT IF NOT PROVIDED: Fuel storage facilities in Iceland will be insufficient to meet US operating needs. Without this increment the ability to dispense fuel to the aircraft at the airfield will be severely hampered.

ADDITIONAL: Prefinancing under NATO procedures is not planned for this project. The fuel stored in these tanks will be dedicated to operating requirements of US national and NATO forces and to peacetime operating stocks. There will be no pre-financing associated with this project. NATO is contributing $26.37 million to this project for support forces assigned to NATO in war time. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alteration to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, KEFLAVIK, ICELAND

4. PROJECT TITLE FUEL FACILITIES	5. PROJECT NUMBER P-463

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
(a) Date Design Started.......................... 4-89
(b) Percent Complete as of January 1990........... 80
(c) Date Design 35% Complete...................... 8-89
(d) Date Design Complete.......................... 4-90

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(65)
(b) All Other Design Costs........................(30)
(c) Total... 95
(d) Contract......................................(65)
(e) In-house......................................(30)

(4) Construction start........................ 1-91
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, KEFLAVIK, ICELAND	4. COMMAND NAVAL TELECOMMUNI- CATIONS COMMAND	5. AREA CONSTR COST INDEX 4.01

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	10	252	21	0	0	0	0	0	0	283
b. END FY 1995	10	252	21	0	0	0	0	0	0	283

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	8,450
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,248
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	4,300
h. **GRAND TOTAL**	22,998

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.15	COMMUNICATION CENTER	16,000 SF	10,248	11/88	03/90
	TOTAL		10,248		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

To manage, operate, and maintain those facilities, systems, equipments, and devices necessary to provide requisite communications for the command, operational control, and administration of the Department of the Navy, to manage, operate, and maintain those facilities of the Defense Communications System as assigned.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A. POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL COMMUNICATIONS STATION, KEFLAVIK, ICELAND	4. PROJECT TITLE COMMUNICATION CENTER

5. PROGRAM ELEMENT 0303196N	6. CATEGORY CODE 131.15	7. PROJECT NUMBER P-802	8. PROJECT COST ($000) 10,248

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATION CENTER	SF	16,000	-	20,190
BUILDING	SF	16,000	903.00	(14,450)
ANTENNA-HELIX HOUSE.	LS	-	-	(5,740)
SUPPORTING FACILITIES.	-	-	-	3,170
UTILITIES.	LS	-	-	(2,340)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(830)
SUBTOTAL	-	-	-	23,360
LESS: NATO SHARE.	-	-	-	-14,650
SUBTOTAL	-	-	-	8,710
CONTINGENCY-U.S. PORTION (5%).	-	-	-	440
TOTAL CONTRACT COST.	-	-	-	9,150
SUPERVISION, INSPECTION & OVERHEAD (6.5%). .	-	-	-	590
U.S. PART OF SIOH FOR NATO PORTION (3.5%). .	-	-	-	508
TOTAL REQUEST.	-	-	-	10,248
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(7,450)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete building, concrete foundation, semi-hardened, HEMP protected, temperature and humidity controlled environmental system, emergency generators, utilities; includes space for message center, cryptographic equipment room, electronic equipment repair shops; site preparation for electronic equipment and uninterruptable electric power system; antenna installation; helix house construction.

11. REQUIREMENT: 16,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a communication center to house the operational functions of this station; installs 1,000-foot transmitting antenna and appurtenances including guy-system, insulators, top loading elements. (Current mission.)

REQUIREMENT: Adequate technical control, message center, electric power, and transmitting antenna facilities to accommodate continual communications support for the U.S. and NATO forces operating in the North Atlantic Ocean and the Norwegian Sea, as well as supporting the Defense Communication Systems and other missions assigned by higher authority. This project is crucial for supporting Iceland Defense Force Combined Operations Center and Iceland Air Defense System programs.

CURRENT SITUATION: The present communication center is of standard masonry construction (non-hardened), located adjacent to the aircraft parking apron, subjecting it to high noise levels, and making it vulnerable to attack or sabotage since the airfield is open to all private and commercial

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATIONS STATION, KEFLAVIK, ICELAND		
4. PROJECT TITLE COMMUNICATION CENTER		5. PROJECT NUMBER P-802

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
aircraft. Communication land lines, connecting all communication modes on the base, are exposed in unsecure manholes and vulnerable to sabotage. The building dates from 1954 and has neither the space nor configuration to support modern electronic equipment. The building interior does not meet the fire protection code, nor does much of the electrical distribution system comply with the National Electric Code. The building's construction is inadequate with respect to survivability and physical security. Initial increment of procurement and construction to support a new 1,000-foot transmitting antenna was approved in FY 1990 and is proceeding. The final increment of antenna work involving erection of the tower, guys, radials, and helix house is included in this FY 1991 project.

IMPACT IF NOT PROVIDED: The communication station's operational functions will remain in an unhardened building adjacent to the airfield, leaving on-base communications vulnerable to serious disruption. Equipment may experience continued physical deterioration for lack of proper environmental control. Inadequate physical and electronic security will continue to exist. New 1,000-foot transmitting antenna not in place.

ADDITIONAL: Prefinancing under NATO procedures is not planned for this project. This facility will be jointly used by US national and NATO forces. NATO is contributing approximately $14.65 million to this project for support of forces assigned to NATO in war time. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
- (a) Date Design Started.......................... 11-88
- (b) Percent Complete as of January 1990.......... 35
- (c) Date Design 35% Complete...................... 12-89
- (d) Date Design Complete.......................... 3-90

(2) Basis:
- (a) Standard or Definitive Design: Yes ____ No X
- (b) Where Design Was Most Recently Used: N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(95)

(Continued on 1391c)

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATIONS STATION, KEFLAVIK, ICELAND

4. PROJECT TITLE COMMUNICATION CENTER	5. PROJECT NUMBER P-802

SUPPLEMENTAL DATA: (Continued)

(b) All Other Design Costs........................(185)
(c) Total...................................... 280
(d) Contract...................................(200)
(e) In-house...................................(80)
(4) Construction start........................ 1-91
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Communication Equipments	OPN	1991-1993	7,450

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, SICILY, ITALY	4. COMMAND NAVAL TELECOMMUNICATIONS COMMAND	5. AREA CONSTR COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	6	133	12	0	0	0	0	0	0	151
b. END FY 1995	6	230	19	0	0	0	0	0	0	255

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0)	
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,513
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	1,513

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.35	RECEIVER FACILITY	4,000 SF	1,513	03/89	09/90
	TOTAL		1,513		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

As an activity of the Navy Telecommunications System, to manage, operate, and maintain those facilities, systems, equipments, and devices necessary to provide requisite communications for the command, operational control, and administration of the Department of the Navy; to manage, operate, and maintain those facilities of the Defense Communications as assigned.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, SICILY, ITALY	4. PROJECT TITLE RECEIVER FACILITY

5. PROGRAM ELEMENT 0303113N	6. CATEGORY CODE 131.35	7. PROJECT NUMBER P-305	8. PROJECT COST ($000) 1,513

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RECEIVER FACILITY	SF	4,000	-	550
BUILDINGS	SF	4,000	120.00	(480)
BUILT-IN EQUIPMENT	LS	-	-	(70)
SUPPORTING FACILITIES	-	-	-	800
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(30)
ELECTRICAL UTILITIES	LS	-	-	(330)
MECHANICAL UTILITIES	LS	-	-	(250)
PAVING AND SITE IMPROVEMENT	LS	-	-	(190)
SUBTOTAL	-	-	-	1,350
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,420
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	93
TOTAL REQUEST	-	-	-	1,513
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete building, concrete footings and floor, built-up roof, design seismic zone 4 criteria; mechanical and electrical utility building; antenna tower, antenna bases and cable trenches; utilities, fire protection system, air conditioning.

11. REQUIREMENT: 4,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Relocates and expands the existing high-frequency receiver at a new site. (Current mission.)

REQUIREMENT:

A high-frequency (HF) receiver facility free of radio-frequency (RF) noise. Operational necessity increases the number of receivers from 33 to 70 for efficient mission accomplishment. New receiver equipment is scheduled for delivery in 1991.

CURRENT SITUATION:

The existing communication center is experiencing loss of efficiency because of RF noise generated by Naval Air Station facilities, and this condition is anticipated to worsen with the planned Mediterranean realignment of communication facilities. The existing site is planned for expansion of other communication needs.

IMPACT IF NOT PROVIDED:

This activity will not be able to fully accomplish its mission.

ADDITIONAL:

A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding. Prefinancing under NATO procedures is not planned for this project since it is not within the established NATO Infrastructure criteria and standards for communication facilities for common funding, nor is it expected to become eligible.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATION STATION, SICILY, ITALY

4. PROJECT TITLE

RECEIVER FACILITY

5. PROJECT NUMBER

P-305

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(100)
(B) ALL OTHER DESIGN COSTS	(125)
(C) TOTAL	225
(D) CONTRACT	(175)
(E) IN-HOUSE	(50)

(4) CONSTRUCTION START 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION,
SIGONELLA, ITALY

4. COMMAND

COMMANDER IN CHIEF,
US NAVAL FORCES EUROPE

5. AREA CONSTR COST INDEX

1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	192	2306	626	0	0	0	161	1098	0	4383
b. END FY 1995	192	2306	626	0	0	0	161	1098	0	4383

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (680)	
b. INVENTORY TOTAL AS OF 30 SEP 89	56,910
c. AUTHORIZATION NOT YET IN INVENTORY	49,680
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,240
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	29,460
g. REMAINING DEFICIENCY	3,590
h. **GRAND TOTAL**	149,880

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.03	CORROSION CTRL HANGAR	16,000 SF	8,390	05/89	04/90
211.21	ENGINE MAINT SHOP ADDITION	14,370 SF	1,850	06/89	08/90
	TOTAL		10,240		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BACHELOR ENLISTED QUARTERS	71,590 SF	8,800
730.83	CHAPEL	LS	860
740.54	FLEET REC CENTER	LS	2,800
721.11	NCF CAMP (PH-I)	LS	7,100
851.10	ROAD/UTILITIES	LS	9,900

10. MISSION OR MAJOR FUNCTIONS:

Navy's major mid-Mediterranean shore installation used for logistic support of the Sixth Fleet and as a base of operations for deployed, land-based ASW aircraft. Navy intra-theatre airlift squadron also assigned, with carrier on-board airlift mission. Support transient, carrier-based tactical aircraft as required. Presently supports Military Airlift Command (MAC) cargo flights and MAC passenger flights from the U.S. Provides air logistics interface with nearby Augusta Bay NATO fuel and ammunition replenishment pier and depot. Supports HC-4 helicopter combat squadron and LAMPS MK III Helicopter Squadron.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, SIGONELLA, ITALY		4. PROJECT TITLE CORROSION CONTROL HANGAR	
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 211.03	7. PROJECT NUMBER P-218	8. PROJECT COST ($000) 8,390

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CORROSION CONTROL HANGAR	SF	16,000	-	3,720
BUILDING	SF	16,000	144.00	(2,300)
BUILT-IN EQUIPMENT	LS	-	-	(1,420)
SUPPORTING FACILITIES	-	-	-	3,770
SPECIAL FOUNDATION FEATURES	LS	-	-	(290)
ELECTRICAL UTILITIES	LS	-	-	(220)
MECHANICAL UTILITIES	LS	-	-	(2,910)
PAVING AND SITE IMPROVEMENT	LS	-	-	(350)
SUBTOTAL	-	-	-	7,490
CONTINGENCY (5%)	-	-	-	380
TOTAL CONTRACT COST	-	-	-	7,870
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	520
TOTAL REQUEST	-	-	-	8,390
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building, concrete footings and floor, built-up roof, design for seismic zone 4 criteria, two high-bay areas, administrative area, support shops, compressed air system, industrial waste facilities; fire protection system, air conditioning, utilities; fire protection in three aircraft hangars to include 320,000 gallon ground storage tank and a pumping station.

11. REQUIREMENT: 16,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides facilities to periodically perform aircraft corrosion control at the intermediate maintenance level; improves fire protection in hangars and flight line facilities. (Current mission.)

REQUIREMENT:

Adequate facility capable of maintaining a controlled environment for aircraft paint stripping and corrosion blast-cleaning. Reduce air pollution and provide work areas in compliance with paint stripping and corrosion blast-cleaning requirements of the Clean Air and Occupational Safety and Health regulations. All Navy carrier-based aircraft require protection from salt corrosion. Aircraft must be periodically stripped, corrosion blasted and cleaned, and finally repainted. It is necessary that work spaces have controlled temperature and humidity conditions in the stripping and blasting areas. Air velocities must be controlled to capture overspray of stripping liquids and excessive blasting dust. Dust and solvents must then be removed from the exhausted air. Adequate fire protection in aircraft maintenance hangars is necessary to meet all fire safety codes and regulations. Required is a dedicated fire protection system waterline for operational aviation facilities on the flightline.

CURRENT SITUATION:

Activity is located in the central Mediterranean, on the island of Sicily, where deployed Sixth Fleet Carrier aircraft are subjected to a heavily corrosive salt-air/water, volcanic (sulfur) particles, and sandy environment. There are no existing naval facilities for corrosion

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, SIGONELLA, ITALY

4. PROJECT TITLE

CORROSION CONTROL HANGAR

5. PROJECT NUMBER

P-218

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

control of naval aircraft in the entire European area. Sigonella accomplishes corrosion maintenance on more than 225 carrier air wing, maritime patrol, fleet logistic aircraft and helicopters operating in the Mediterranean. Fleet aircraft that need corrosion control painting, which cannot be deferred until the aircraft return to the U.S. must be accomplished in an open environment or in hangar spaces which do not meet ventilation, safety, and health standards for aircraft painting. While painting is in progress, other maintenance on aircraft requiring hangar space must be deferred, effecting fleet readiness. Existing water distribution system cannot provide the necessary water pressure and flow rate to activate the present foam fire protection deluge systems.

IMPACT IF NOT PROVIDED:

Decrease in overall performance of aircraft, operational readiness, and mission capability. Aircraft will continue to be maintained in an area without adequate environmental controls, including operational hangars, exposing other aircraft and equipment to paint spray and other materials used in corrosion control.

ADDITIONAL:

A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alteration to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding. Prefinancing under NATO procedures is not planned for this project as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED. 05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990. 80
(C) DATE DESIGN 35% COMPLETE 09-89
(D) DATE DESIGN COMPLETE 04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (250)
(B) ALL OTHER DESIGN COSTS . . . . (100)
(C) TOTAL. 350
(D) CONTRACT . . . . (300)
(E) IN-HOUSE . . . . (50)

(4) CONSTRUCTION START. 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, SIGONELLA, ITALY	4. PROJECT TITLE ENGINE MAINTENANCE SHOP ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	211.21	P-220	1,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINE MAINTENANCE SHOP ADDITION	SF	14,370	-	970
BUILDING	SF	14,370	57.00	(820)
BUILT-IN EQUIPMENT	LS	-	-	(150)
SUPPORTING FACILITIES	-	-	-	690
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(280)
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT	LS	-	-	(150)
SUBTOTAL	-	-	-	1,660
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,740
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	110
TOTAL REQUEST	-	-	-	1,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building addition, concrete foundation on engineered fill, concrete floor, built-up roof; bridge crane and hoists, fire protection and air conditioning systems, utilities.

11. REQUIREMENT: 30,510 SF ADEQUATE: 16,140 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs an addition to the engine maintenance shop. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities for organizational and intermediate maintenance activity (IMA) level upkeep of aircraft assigned, deployed to, or temporarily shore-based at this central Mediterranean operating and logistics base. Aircraft include ASW patrol (P-3, SH-2, SH-3), early warning (E-2), fleet logistics support (T-39, C-2A, C-130), vertical-on-board delivery (CH-53 VOD, CH-46 VOD), and LAMPS helicopters (SH-60).

CURRENT SITUATION:

The engine maintenance shop workload is increasing because of additional aircraft loading occurring as a result of the construction of an additional aircraft maintenance hangar. The engine maintenance shop facilities were only one-half of the requirement projected prior to 1987. Since its original conception, an additional requirement for LAMPS MK III engine maintenance was approved in 1986 as an exigent minor project. Today's workload has necessitated maintenance functions be performed in a more crowded condition, causing mission support problems. Engines are now being packed and unpacked in outdoor fire lane areas. Because of a lack of adequate storage area, equipment is stored outdoors.

IMPACT IF NOT PROVIDED:

Maintenance of the more sophisticated aircraft and aircraft systems will continue to be hampered by cramped facilities. Inability of engine maintenance shop to improve efficiency and maintain readiness of Sixth Fleet and shore-based aircraft because of facility deficiencies.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, SIGONELLA, ITALY

4. PROJECT TITLE ENGINE MAINTENANCE SHOP ADDITION	5. PROJECT NUMBER P-220

11. REQUIREMENT: (CONTINUED)

ADDITIONAL:

Prefinancing under NATO procedures is not planned for this project, as it exceeds in its entirety the scope as described in the approved NATO criteria and standards for the applicable facility and seeking deviation from NATO criteria is not justified. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alteration to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(110)
(B) ALL OTHER DESIGN COSTS	(90)
(C) TOTAL	200
(D) CONTRACT	(170)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START. . . . 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, IWAKUNI, JAPAN	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX 1.89

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	80	747	1269	0	0	0	260	2903	9	5268
b. END FY 1995	68	491	870	0	0	0	287	2712	551	4979

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (6,568)	
b. INVENTORY TOTAL AS OF 30 SEP 89	53,120
c. AUTHORIZATION NOT YET IN INVENTORY	3,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,017
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	12,055
g. REMAINING DEFICIENCY	33,640
h. **GRAND TOTAL**	105,022

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.06	HANGAR CONVERSION	23,450 SF	3,017	05/89	09/90
	TOTAL		3,017		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

211.05	AIRCRAFT HANGAR HEATING	LS	3,075
721.11	BEQ CONVERSION	LS	2,960
750.30	COVERED POOL/GYM EXT	LS	1,580
143.75	POL OPERS FACILITIES	LS	305
111.10	WIDEN RUNWAY	LS	4,135

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and materials to support operations of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION.
IWAKUNI. JAPAN

4. PROJECT TITLE

HANGAR CONVERSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	211.06	P-809	3.017

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HANGAR CONVERSION	SF	23.450	-	1,510
BUILDING CONVERSION AND RENOVATION	SF	23.450	60.00	(1,410)
BUILT-IN-EQUIPMENT	LS	-	-	(100)
SUPPORTING FACILITIES	-	-	-	1,190
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(990)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	2,840
SUPERVISION. INSPECTION & OVERHEAD (6.5%)	-	-	-	177
TOTAL REQUEST	-	-	-	3,017
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Convert building back to designed use of aircraft maintenance hangar, administrative offices, mechanical room, compressed air system, floor drainage system, fire protection system, ventilation, utilities.

11. REQUIREMENT: 23.450 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Converts and renovates a hangar currently being used as a warehouse back to a maintenance hangar. (Current mission.)

REQUIREMENT:
Adequate hangar space to support additional aircraft being assigned to this activity.

CURRENT SITUATION:
This activity has a shortage of hangar space. Prior to the assignment of additional high-tech AV-8 aircraft, the lack of storage space was more critical, so a hangar was used to meet this need. With the assignment of newer and more AV-8 aircraft, this hangar must now be renovated to convert it back to accommodate aircraft maintenance. The cost of a new hangar would greatly exceed the cost of this project.

IMPACT IF NOT PROVIDED:
Scheduled and unscheduled organizational maintenance on assigned aircraft cannot be accomplished, severely affecting the operational readiness and deployability of the squadrons assigned to Marine Air Group-12.

ADDITIONAL:
A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for Japanese Facility Improvement Program (JFIP) funding.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, IWAKUNI, JAPAN

4. PROJECT TITLE

HANGAR CONVERSION

5. PROJECT NUMBER

P-809

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED. 05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990. 40
(C) DATE DESIGN 35% COMPLETE 10-89
(D) DATE DESIGN COMPLETE 09-90

(2) BASIS.
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (120)
(B) ALL OTHER DESIGN COSTS . . . . (180)
(C) TOTAL. 300
(D) CONTRACT . . . . (225)
(E) IN-HOUSE . . . . (75)

(4) CONSTRUCTION START. 05-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

INTENTIONAL BLANK

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY HANZA, OKINAWA, JAPAN	4. COMMAND NAVAL SECURITY GROUP COMMAND	5. AREA CONSTR COST INDEX 1.99

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	13	239	1	0	0	0	0	0	0	253
b. END FY 1995	10	274	1	0	0	0	0	0	0	285

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0)	
b. INVENTORY TOTAL AS OF 30 SEP 89	4,590
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,035
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	5,625

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
843.10	FIRE PROTECTION SYSTEM	LS	1,035	05/88	09/90
	TOTAL		1,035		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
To provide regional communications for the defense of the U.S. and the free world.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B. INSTALLATION RESTORATION	0
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY HANZA, OKINAWA, JAPAN	4. PROJECT TITLE FIRE PROTECTION SYSTEM

5. PROGRAM ELEMENT N F I P 0301011N	6. CATEGORY CODE 843.10	7. PROJECT NUMBER P-001	8. PROJECT COST ($000) 1,035

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE PROTECTION SYSTEM	LS	-	-	920
SUBTOTAL	-	-	-	920
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	970
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	65
TOTAL REQUEST	-	-	-	1,035
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Automatic wet-pipe sprinkler system, fire detection alarm system; 117,000 gallon underground water storage tank, pumping station, one electric power driven 1500 GPM pump and one diesel engine driven 1500 GPM back-up pump, underground water supply, distribution system; access road, security fencing.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides fire detection alarms, an automatic sprinkler protection system, corrects fire protection deficiencies in various buildings. (Current mission.)

REQUIREMENT:

Adequate automatic fire detection alarm and fire protection systems to protect high-value electronic equipment, facilities, and human lives. An upgrading of fire walls, doors, and corridors is necessary to meet safety codes.

CURRENT SITUATION:

The operations building is equipped with manual carbon dioxide hose reels, a halon total flooding system, and an automatic carbon dioxide flooding system. Fire protection criteria specifies gaseous extinguishing systems are not a substitute for wet-pipe sprinkler systems.

IMPACT IF NOT PROVIDED:

Lives of personnel, high-valued electronic equipment, and facilities will continue to be vulnerable to catastrophic fire.

ADDITIONAL:

A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for Japanese Facility Improvement Program (JFIP) funding.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL SECURITY GROUP ACTIVITY HANZA, OKINAWA, JAPAN

4. PROJECT TITLE

FIRE PROTECTION SYSTEM

5. PROJECT NUMBER

P-001

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:

(A) DATE DESIGN STARTED	05-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	10-88
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(40)
(B) ALL OTHER DESIGN COSTS	(65)
(C) TOTAL	105
(D) CONTRACT	(75)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

DD FORM 1391C
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, ROTA, SPAIN	4. COMMAND NAVAL SECURITY GROUP COMMAND	5. AREA CONSTR COST INDEX .92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	14	347	79	0	0	0	0	0	0	440
b. END FY 1995	14	347	79	0	0	0	0	0	0	440

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NS
b. INVENTORY TOTAL AS OF 30 SEP 88	10,480
c. AUTHORIZATION NOT YET IN INVENTORY	400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,105
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	450
h. **GRAND TOTAL**	12,435

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.55	OPS BUILDING ADDITION	11,340 SF	1,105	10/88	09/89
	TOTAL		1,105		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide command and control communications, ship-to-shore service for the fleet, and satellite communications. Primary area covered is the eastern Atlantic and Mediterranean areas.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, ROTA, SPAIN	4. PROJECT TITLE OPERATIONS BUILDING UPGRADE

5. PROGRAM ELEMENT N F I P 0303196N	6. CATEGORY CODE 131.55	7. PROJECT NUMBER P-556	8. PROJECT COST ($000) 1,105

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS BUILDING UPGRADE	SF	12,000	-	800
BUILDING ALTERATIONS	SF	12,000	51.00	(610)
BUILT-IN EQUIPMENT	LS	-	-	(190)
SUPPORTING FACILITIES	-	-	-	190
UTILITIES, PAVING & SITE IMPROVEMENTS	LS	-	-	(190)
SUBTOTAL	-	-	-	990
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	1,040
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	65
TOTAL REQUEST	-	-	-	1,105
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building alterations including partitions, computer flooring, new floor, ceiling and wall coverings, sound attenuation, new lighting, upgrade electric power panels, service, transformers, bus-bars, tie-breakers, circuit breakers, increase air conditioning system capacity; site utilities upgrade.

11. REQUIREMENT: 78,420 SF ADEQUATE: 66,420 SF SUBSTANDARD: (12,000) SF

PROJECT:

Upgrades operational space in the Circular Display Antenna Array Building to increase efficiency. (Current mission.)

REQUIREMENT:

Adequate and properly-configured operational communication facility spaces for Naval Security Group (NAVSECGRU) Detachment Rota to accommodate the dynamic upgrade of equipment, the installation of additional state-of-the-art communication equipment, and support consolidation of operational functions to improve mission efficiency. An automatic data processing (ADP) work center is necessary to provide equipment space and common work area for software development, ADP training, and security guidance.

CURRENT SITUATION:

Existing space configuration and utilities will not support the additional communications programs, equipment, or personnel.

IMPACT IF NOT PROVIDED:

Additional communications workload will not be efficiently and effectively accomplished. Adequate operational floor space and utilities will not be available to support the mission requirements of NAVSECGRU. Critical communications support services provided to the Sixth Fleet will be adversely affected. Activity will not be able to provide quality communications.

ADDITIONAL:

NATO prefinancing is not applicable to this project because it is not in support of forces assigned to NATO. A bilateral agreement between the

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATION STATION, ROTA, SPAIN

4. PROJECT TITLE

OPERATIONS BUILDING UPGRADE

5. PROJECT NUMBER

P-556

11. REQUIREMENT: (CONTINUED)
ADDITIONAL: (CONTINUED)
U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 10-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 100
(C) DATE DESIGN 35% COMPLETE 03-89
(D) DATE DESIGN COMPLETE 09-89

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (75)
(B) ALL OTHER DESIGN COSTS . . . . (75)
(C) TOTAL 150
(D) CONTRACT . . . . (140)
(E) IN-HOUSE . . . . (10)

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

E. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION FLEET SURVEILLANCE SUPPORT COMMAND, BRAWDY WALES, UNITED KINGDOM	4. COMMAND CHIEF OF NAVAL OPERATIONS	5. AREA CONSTR COST INDEX .00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	0	0	0	0	0	0	0	0	0	0
b. END FY 1995	2	13	0	0	0	0	0	0	50	65

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(37,653)
b. INVENTORY TOTAL AS OF 30 SEP 89	74,460
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,740
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	76,200

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
134.70	ELECTRONIC INSTL	LS	1,740	11/88	07/90
	TOTAL		1,740		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Surveillance, early warning, and target identification. Effective management of air intercept capability.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION FLEET SURVEILLANCE SUPPORT COMMAND, BRAWDY WALES, UNITED KINGDOM	4. PROJECT TITLE ELECTRONIC INSTALLATION

5. PROGRAM ELEMENT 0204577N	6. CATEGORY CODE 134.70	7. PROJECT NUMBER P-301	8. PROJECT COST ($000) 1,740

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONIC INSTALLATION	LS	-	-	9,240
TRANSMITTER SITE	LS	-	-	(2,640)
RECEIVER SITE	LS	-	-	(4,540)
BUILT-IN EQUIPMENT	LS	-	-	(2,060)
SUPPORTING FACILITIES	-	-	-	4,300
UTILITIES	LS	-	-	(1,970)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(2,330)
SUBTOTAL	-	-	-	13,540
CONTINGENCY (5%)	-	-	-	680
TOTAL CONTRACT COST	-	-	-	14,220
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	920
SUBTOTAL	-	-	-	15,140
LESS: OTHER FUNDING	-	-	-	- 13,400
TOTAL REQUEST	-	-	-	1,740
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(90,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Site preparation for relocatable-over-the-horizon-radar (ROTHR) system installation; reinforced concrete van pads, antenna footings and foundations, personnel support facilities, operations facilities, roads, security fencing, emergency generators, fuel storage tanks, utilities.

11 REQUIREMENT: AS REQUIRED

PROJECT:

Provides site preparation and support facilities for the installation of a Relocatable-Over-the-Horizon-Radar (ROTHR) System in the United Kingdom. (New mission.)

REQUIREMENT:

The ROTHR System, when installed, will satisfy the requirement for broad area over-the-horizon surveillance and tactical forces support in the North Sea and Baltic Sea regions.

CURRENT SITUATION:

There is no broad area surveillance system currently in place which provides coverage in the required area.

IMPACT IF NOT PROVIDED:

The ROTHR System will not be installed and current surveillance requirements will not be met.

ADDITIONAL:

A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when joint-use or mutual benefits are derived. Project construction cost will be shared by the U.S. and the host nation, with host nation accepting approximately 90% funding responsibility. NATO prefinancing is not applicable to this project because it is not included in an approved NATO category and is not expected to become eligible.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

FLEET SURVEILLANCE SUPPORT COMMAND, BRAWDY WALES, UNITED KINGDOM

4. PROJECT TITLE ELECTRONIC INSTALLATION	5. PROJECT NUMBER P-301

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED 11-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 75
(C) DATE DESIGN 35% COMPLETE 07-89
(D) DATE DESIGN COMPLETE 07-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000) *
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (0)*
(B) ALL OTHER DESIGN COSTS . . . . (0)*
(C) TOTAL . . . . 0 *
(D) CONTRACT . . . . 0 *
(E) IN-HOUSE . . . . (0)*

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ANTENNA AND OPERATIONAL EQUIPMENT	OPN	1989	90,000
		TOTAL	90,000

*Design by others.

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION PERSONNEL SUPPORT ACTIVITY, LONDON, UNITED KINGDOM	4. COMMAND COMMANDER IN CHIEF, US NAVAL FORCES EUROPE	5. AREA CONSTR COST INDEX 1.50

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	264	822	548	0	0	0	0	0	0	1634
b. END FY 1995	264	822	548	0	0	0	0	0	0	1634

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0)	
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	442
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	442

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	PASS OFFICE	LS	442	09/88	09/89
	TOTAL		442		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

Navy's primary activity providing personnel administrative support to military personnel and their families in Northern Europe. Maintains pay and personnel records, provides passenger transportation services, disbursing services and other related support to the Commander in Chief, US Naval Forces, Europe; US Commander, Eastern Atlantic; US naval activities and units in the United Kingdom.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

VARIOUS LOCATIONS

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION VARIOUS LOCATIONS	4. PROJECT TITLE LAND ACQUISITION

5. PROGRAM ELEMENT 0801211N	6. CATEGORY CODE 911.10	7. PROJECT NUMBER P-081	8. PROJECT COST ($000) 10,660

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION	LS	-	-	9,580
SUBTOTAL	-	-	-	9,580
CONTINGENCY (5%)	-	-	-	480
TOTAL CONTRACT COST	-	-	-	10,060
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	600
TOTAL REQUEST	-	-	-	10,660
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Acquisition of interest in approximately 22.5 acres of land as follows; provide relocation assistance; demolition as necessary:>

Naval Weapons Station, Concord, CA - 2 acres (approx.)>
Naval Submarine Base, New London, CT - 2 acres (approx.)>
Naval Annex, Arlington, VA - 14 acres (approx.)>
Naval Avionics Center Annex, St. Croix, Virgin Islands - 4.5 acres> (approx.)

11. REQUIREMENT: AS REQUIRED

Acquires interests in land at four locations to support activity missions. Adequate control of real estate by restrictive-use easements or fee title is necessary to properly site facilities and protect operational capabilities and technical parameters. Lack of control by the Navy of real estate proposed for acquisition by this project will inhibit necessary military operations. Justifications for each of the parcels to be acquired follow:

Naval Weapons Station, Concord, California - The land will be used to construct earth berms and piers to support a government-owned railroad and vehicle bridge across the public Port Chicago Highway. This project will ensure uninterrupted movement of explosives between the inland and tidal areas of the weapons station. It will greatly improve security and safety for ordnance shipment by eliminating the crossing of a public highway by Navy trains and trucks moving between the two areas of the station. The potential for a significant accident is extremely high. There are no additional land acquisitions associated with this action. In FY 1990, the acquisition of 109.5 acres was approved for closure of the public use portions of Port Chicago Highway and Waterfront Road, which cross the tidal area. A Memorandum of Understanding with Contra Costa County was signed on 22 June 1988. Also included was acquisition of roadways, fencing, turn-around cul-de-sacs, and gatehouses. This

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		
4. PROJECT TITLE LAND ACQUISITION		5. PROJECT NUMBER P-091

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)
acquisition completes a long-term real estate requirement.

Naval Submarine Base, New London, Connecticut - This project proposes to acquire 1.67 acres of land currently leased from the State of Connecticut, which is the homeport of Submarine Squadron TEN. Acquisition includes a two-story, State-owned terminal/office building. This project also includes rights to demolish the wood-frame, lean-to portion of the State warehouse on the State Pier. The property is unique in that it is contiguous to Navy property. Fee acquisition is required for operational and security improvements of Submarine Squadron TEN. This acquisition will satisfy the land requirement for berthing improvements. A follow-on MILCON project will construct a warehouse on the site, upgrade waterfront utilities, expand and improve the tender mooring platform to accommodate the new AS-31 Class tender, and provide dredging. The Navy owns 1.66 acres of property at the State Pier acquired in the FY 1983 MILCON Program. It has made MILCON improvements to the property and parking lot. No additional land acquisition, easements or facilities acquisition from the State of Connecticut are planned at the State Pier.

Naval Annex, Arlington, Virginia - This project provides funding to reimburse the General Services Administration (GSA) for the July 1989 transfer of 14 acres to the Navy. GSA conveyed this land subject to the Navy paying the appraised fair market value. Currently, the land is being used for parking 1,100 Navy Annex employee cars. Federal Property Management Regulation (41 CFR 101-47.203-7) requires the Navy to reimburse GSA. The Barracks "K" land area consists of land previously acquired by the Department of Transportation for the construction of Shirley Highway (I-395), but later reported as excess to GSA. For more than 20 years prior to the transfer in 1989, Navy occupied this property under a series of GSA permits to build and operate a parking lot for the Navy Annex. This space provides the only parking for the more than 5,000 Navy Annex employees. No other site or facilities are available to replace Barracks "K" parking. No planned or programmed real estate needs are expected at this activity.

Naval Avionics Center Indianapolis Annex, St. Croix, Virgin Islands - This project will acquire approximately 4.453 acres of unimproved land in fee simple for use in connection with the Sonobuoy Quality Assurance Program (SQAP). As a function of SQAP, samples of sonobuoy production lots are tested at Hamm's Bluff on St. Croix in the U.S. Virgin Islands. However, the Atlantic Fleet Weapons Training Facility (AFWTF) underwater tracking range has expanded into the vicinity of the ocean area used for Sonobuoy Acceptance Testing and severely restricted the periods during which testing can be accomplished in the Hamm's Bluff area. The proposed 4.453-acre alternate site is located on the east end of the Island of St. Croix, known as Sugarloaf Hill. Thus, since 1986, the 4.453 acres have been under lease for an operating site for SQAP. However, the land has since been sold to a financial group which intends to develop the surrounding land into single family housing. Should the group fail to renew the lease in 1991, Navy would lose the use of this scarce testing site. The acquisition will accommodate the need for permanent improvements. No additional land acquisition associated with this project is contemplated.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		
4. PROJECT TITLE LAND ACQUISITION		5. PROJECT NUMBER P-091

12. SUPPLEMENTAL DATA: (Not applicable to this project.)

A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:
(A) DATE DESIGN STARTED. ______
(B) PERCENT COMPLETE AS OF JANUARY 1990. . . . . ______0
(C) DATE DESIGN 35% COMPLETE . . . . ______
(D) DATE DESIGN COMPLETE . . . . ______

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: ______

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . (______0)
(B) ALL OTHER DESIGN COSTS . . . . (______0)
(C) TOTAL. . . . . ______0
(D) CONTRACT . . . . (______0)
(E) IN-HOUSE . . . . (______0)

(4) CONSTRUCTION START. . . . . ______
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

DD FORM 1391C
1DEC76

POLLUTION ABATEMENT

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES

5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIES	7. PROJECT NUMBER VARIOUS	8. PROJECT COST ($000) 38,910

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POLLUTION ABATEMENT FACILITIES	LS	-	-	38,910
TOTAL REQUEST.	-	-	-	38,910

10. DESCRIPTION OF PROPOSED CONSTRUCTION

These pollution abatement facilities will bring Naval and Marine Corps installations into compliance with federal, state, and local environmental laws. Facilities include upgrading existing structures, building new structures, solid waste disposal, and separation of water and sewer pipelines. Environmental engineering evaluations were performed to determine the most advantageous method for achieving compliance with environmental laws and regulations. (See individual project descriptions of work.)

11. REQUIREMENT: VARIES.

Facilities at Naval and Marine Corps installations were often constructed with inadequate controls to meet present day environmental quality standards. Industrial wastewaters and sewage are discharged untreated or inadequately treated into adjacent waterways. These projects will continue the Navy's program for correcting, controlling, and preventing pollution at Naval and Marine Corps installations, and to comply with federal, state, and local water quality standards. The pollution abatement program includes projects from some of the following categories:

Sanitary Wastewater System - Some installations have sewerage systems which do not meet present day minimum water quality standards. The Clean Water Act of 1972, PL 92-500, requires every "point source" discharger to obtain a permit which specifies the allowable amount and constituents that can be discharged to surface waters. The permit may contain a schedule specifying the dates by which the discharger will achieve compliance. Projects in this category provide improvements to sanitary sewage collection and treatment systems to satisfy the water quality criteria and permit requirements.

(CONTINUED ON DD 1391C)

1. COMPONENT

NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE

POLLUTION ABATEMENT FACILITIES

5. PROJECT NUMBER

VARIOUS

11. REQUIREMENT: (CONTINUED)

Industrial Wastewater Treatment Facilities - Industrial operations create many unique waste disposal problems. These wastes are more difficult to treat than typical sanitary wastewater. Industrial wastewater effluents contain heavy metals and toxic and corrosive chemicals that are potential stream pollutants, and also have a deleterious effect on municipal sewage treatment systems. Therefore, the Navy must provide pretreatment plants so wastes are treated before being sent to municipal systems for further treatment. Industrial facilities may also discharge wastes, untreated or inadequately treated, into adjacent drainage courses that empty into harbor or navigable waters in violation of discharge permits. Projects in this category provide treatment facilities, and other modifications as required, to meet the discharge permit.

Solid Waste Management Facilities - The Navy is fast approaching a crisis because of the lack of solid waste management facilities. These facilities are necessary to minimize the amount of trash, garbage, solid waste, and hazardous waste which must be handled; and to provide for the segregation and management of recyclable materials and their ultimate treatment and disposal in order to protect public health and the environment.

Water and Sewer Pipelines Separation - Projects in this category insure compliance with environmental protection agency (EPA) and state regulations for the elimination of potable water contamination because of possible cross-connections of pipelines.

Potable Water Treatment or Distribution Systems - Some installations which provide potable (drinking) water may not meet standards set by EPA or the states under the Safe Drinking Water Act (SDWA) of 1974, PL 93-523. Treatment systems must be modified or replaced to produce drinking water which meets the maximum contaminant levels (MCLSs) specified by EPA for specific contaminants, including metals and organics. In some cases, distribution systems do not meet the requirements of the SDWA and must be modified or replaced.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN STATUS: PROJECT DESIGNS CONFORM TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE".

INDIVIDUAL PROJECT DESCRIPTIONS FOLLOW:

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES	5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

INSIDE THE UNITED STATES

ALASKA

833.20	P-892	SOLID WASTE DISPOSAL FACILITY ADAK AK NAS	4,250

Solid waste is currently disposed of through a baling and burial procedure. The compacting and baling is accomplished in a 44-year old facility. Failures and downtime cause an unacceptable level of garbage and trash to accumulate and attract vermin. Because of poor drainage and this accumulation, standing pools of contaminated water are formed. The overall situation promotes unsanitary conditions. Without the proposed facility, the threat of a shutdown because of system and equipment failure or unacceptable health hazards will continue to exist. This project will replace the obsolete facility. (Current mission.)

SUBTOTAL - ALASKA 4,250

CALIFORNIA

214.55	P-470	INDUSTRIAL WASTEWATER TREATMENT FACILITIES TWENTYNINE PALMS CA MAGCC	2,600

Washdown facilities are necessary for maintenance of tactical and support vehicles returning from firing range training. Thirteen wash facilities presently discharge large quantities of oily wastewater into sanitary sewers or unlined storm drainage ditches. Facility improvements are required to reduce the quantity of wastewater and the amount of oil, grease, and solvents in the wash water effluent. These improvements will eliminate potential drinking water contamination from hazardous waste discharges, reduce the load on the sewage treatment plant, and eliminate the waste oil that now flows into the sanitary sewers. Sand and oil separators presently used are not efficient because of the excessive quantities of sand needed and the effluent velocity through the separators. The large quantities of oil mixed with water have a deleterious effect on the operation of the sewage treatment plant. Permits are necessary for seven of the wash stations that discharge into storm drain channels. The petroleum product content, particularly high levels of benzene, exceeds the State standards and thus the Regional Water Quality Control Board cannot issue the permits. This project will eliminate waste discharges from washdown facilities to open drainage ditches and provide pretreatment of the wastes before discharge to the sanitary sewer system. (Current mission.)

SUBTOTAL - CALIFORNIA 2,600

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES	5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

FLORIDA

831.15	P-616	INDUSTRIAL WASTEWATER TREATMENT FACILITIES JACKSONVILLE FL NADEP	14,670

Elimination of hazardous wastes being discharged is mandated by compliance schedules incorporated in the National Pollutant Discharge Elimination System (NPDES) permit. The performance of metal-coating and plating processes, metal finishing, and paint stripping operations results in the eventual discharge of hazardous wastes to the domestic sewage treatment facility. Prevention of this hazardous waste discharge into the St. Johns River, as part of the domestic wastewater effluent, has been targeted by the Environmental Protection Agency. The work included in this project will insure Navy compliance with Federal and State water quality standards. (Current mission.)

842.10	P-111	WATER AND SEWER PIPELINES SEPARATION PENSACOLA FL PWC	3,460

A survey and study of the facilities at NAS Pensacola indicated a potential hazard for contamination of the potable water system exists in many locations throughout the activity. Contamination of potable water would pose a serious threat to the health and safety of personnel. The elimination of all possible potable water contamination through cross-connections of potable and non-potable water pipelines is required by the EPA and the State of Florida. This project will provide back-flow prevention devices, double-check valves, and piping system modifications to eliminate violations of the Florida Department of Environmental Regulation and the Clean Water Act. Without this project, the Navy will continue to have the possibility of water contamination and be in violation of both EPA and the State of Florida. (Current mission.)

SUBTOTAL - FLORIDA 18,130

MARYLAND

831.10	P-963	INDUSTRIAL WASTEWATER TREATMENT FACILITIES INDIAN HEAD MD NOS	6,430

This station discharges virtually untreated industrial wastewater from a number of explosive and propellant operations into the Mattawoman Creek and Potomac River. The Environmental Protection Agency (EPA) has issued a discharge permit to the Navy, which the station cannot meet. The EPA, the State of Maryland, and the station have signed a compliance agreement for the station to build a treatment plant to meet the permit requirements by April 1993. This project will construct a central industrial wastewater treatment plant and collection system on station. Failure to construct the treatment plant by the compliance agreement date will cause the Navy to be in violation of Federal and State water pollution control laws. (Current mission.)

SUBTOTAL - MARYLAND 6,430

TOTAL - INSIDE THE UNITED STATES 31,410

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		OUTSIDE THE UNITED STATES	
		GUAM	
831.10	P-141	SANITARY WASTEWATER SYSTEM UPGRADE GUAM PWC	7,500

Minimum levels for effluent discharge cannot be met by the existing primary treatment plant. Secondary sewage treatment is required by EPA compliance schedules issued to the Navy Public Works Center. This project will upgrade the primary treatment plant and provide the secondary treatment necessary for the Navy to comply with EPA and local water quality control standards, avoiding possible fines and plant shutdown. (Current mission.)

SUBTOTAL - GUAM	7,500
TOTAL - OUTSIDE THE UNITED STATES	7,500
TOTAL - POLLUTION ABATEMENT FACILITIES	38,910

UNSPECIFIED MINOR CONSTRUCTION

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT 0901211N	6. CATEGORY CODE 020.00	7. PROJECT NUMBER P-091	8. PROJECT COST ($000) 13,311

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION	LS	-	-	13,311
TOTAL REQUEST.	-	-	-	13,311

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Unspecified minor construction projects within the concepts of Title 10 USC 2805 not otherwise authorized by law (except family housing) having an approved cost of $1,000,000 or less, including construction, alteration, or conversion of permanent or temporary facilities.

11. REQUIREMENT: VARIES.

Title 10 USC 2805 provides authority to the Secretary of Defense and the Secretaries of the Military Departments to acquire, construct, extend, alter or install permanent facilities having an approved cost of $1,000,000 or less not otherwise authorized by law. Included are those items required for which a need cannot reasonably be foreseen nor justified in time to be included in an annual military construction program, but are so urgently required that financing cannot be deferred until legislation in support of a new program is enacted.

ARCHITECTURAL & ENGINEERING SERVICES & CONSTRUCTION DESIGN

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	4. PROJECT TITLE A & E SERVICES AND CONSTRUCTION DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901211N	010.00	VARIOUS	76,951

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
A & E SERVICES AND CONSTRUCTION DESIGN	LS	-	-	76,951
TOTAL REQUEST	-	-	-	76,951

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Funds to be utilized under Title 10 USC 2807 for architectural and engineering services and construction design in connection with military construction projects including regular program projects, unspecified minor construction, emergency construction, land appraisals, and special projects as directed. Engineering investigations, such as field surveys and foundations exploration, will be undertaken as necessary.

11. REQUIREMENT: VARIES

All projects in a military construction program presented for approval must be based on sound engineering and the best cost data avilable. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. Costs for architectural and engineering services and construction design are not included in the construction project cost estimates.

ACCESS ROADS

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	4. PROJECT TITLE ACCESS ROADS

5. PROGRAM ELEMENT 0901211N	6. CATEGORY CODE 040.00	7. PROJECT NUMBER P-191	8. PROJECT COST ($000) 4,017

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ACCESS ROADS	LS	-	-	4,017
TOTAL REQUEST.	-	-	-	4,017

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Finance: (1) new off-station entrances to Naval activities or new connections between Naval activities; (2) urgently needed improvements of existing highways serving Naval activities; (3) the Federal Government's share of cost of relocating highways severed by expansion or construction of new Naval facilities; (4) alterations to roads near Naval activities to accommodate special military vehicles; and (5) contractor damage to roads serving missile bases. Funds provided will be transferred to the Federal Highway Administration of the Department of Transportation which is responsible under Title 23, USC 210 for assuring proper design and construction of approved work.

11. REQUIREMENT: VARIES.

These funds are required to provide access roads. Access road items are required for construction, improvement, replacement or relocation of public highways necessitated by construction of new or expansion of existing Naval or Marine Corps activities which result in a sudden and significant impact on the adjacent highway system. Such items are also vital for relocation of highways to satisfy airway-highway or explosive-clearance criteria. Highways located within the boundaries of a military reservation are not eligible for financing from these funds. Projects in the regular Federal Aid Primary Systems are not normally considered eligible for financing with these funds (exceptions may occur for cases such as special vehicles, weapons safety, or other extraordinary impact generated by Navy requirements).

PROJECTS $1 MILLION & UNDER

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER

5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIOUS	7. PROJECT NUMBER VARIOUS	8. PROJECT COST ($000) 7,932

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROJECTS $1 MILLION AND UNDER.	LS	-	-	7,932
TOTAL REQUEST.	-	-	-	7,932

10. DESCRIPTION OF PROPOSED CONSTRUCTION
Specified construction projects (except family housing) having a funded cost of $1,000,000 or less (see individual project descriptions.)

11. REQUIREMENT: VARIES.
Projects are specifically identified on subsequent sheets.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN STATUS: PROJECT DESIGNS CONFORM TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE".

INDIVIDUAL PROJECT DESCRIPTIONS FOLLOW:

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

INSIDE THE UNITED STATES

CALIFORNIA

171.20 P-888 WEAPONS SCHOOL ADDITION — 900
LEMOORE CA NAS

Special purpose training in classified weapons system assigned to strike fighter squadrons at this activity is scheduled to begin in 1992. Because of the requirements for limited access and a controlled space, there are no facilities available in which to house this type of training. This project constructs an addition to the Light Attack Weapons School to support training in this new weapons system. (New mission.)

213.55 P-235 ASBESTOS REMOVAL SHOP — 500
LONG BEACH CA NSY

Removal of asbestos insulation from equipment and pipes on ships presently takes place at great risk to the health and safety of personnel in an adjacent area and to those directly engaged in the asbestos removal. The facilities currently used have an uncontrolled environment and do not meet Environmental Protection Agency (EPA) regulations governing the emission of asbestos fibers. This project modifies and converts a shop facility to provide an efficient, negative pressure facility for an effective asbestos removal shop meeting EPA standards. (Current mission.)

832.40 P-092 OILY WASTE SYSTEM — 540
SAN DIEGO CA NSB

An oily waste collection system is required to serve surface vessels and submarines docked at piers. The existing oily waste system piping does not have the capacity to convey the oily waste from surface vessels and submarines docked at the piers. Waste piping under two piers is deteriorated causing frequent leakage into San Diego Bay. The shore-side piping is undersized and cannot handle the required flows. Because of the lack of check valves and deteriorated piping, oily waters are currently pumped into floating oil disposal rafts which can only be filled to less than half full or they will spill into the bay. The wastes are then transported to a treatment facility a mile away. This project is necessary to mitigate discharge of oily wastes into the San Diego Bay in violation of Federal and California statutes. This project provides an oily waste collection system with increased capacity for ships docked at piers and expanded storage at the oily waste pumping station. (Current mission.)

SUBTOTAL - CALIFORNIA — 1,940

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE

PROJECTS $1 MILLION AND UNDER

5. PROJECT NUMBER

VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		GEORGIA	
421.48	P-420	SMALL ORDNANCE MAGAZINE KINGS BAY GA NSB	620

Adequate storage is needed for small ordnance components used with the TRIDENT II missile launcher system. There is insufficient magazine storage for these small ordnance components, which jeopardizes the refit turn-around schedule for TRIDENT submarines. This will cause patrol time for the OHIO Class submarine to be decreased. This project provides missile small ordnance components storage. (New mission.)

SUBTOTAL - GEORGIA 620

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		ILLINOIS	
871.10	P-378	STORM SEWER SYSTEM IMPROVEMENTS GREAT LAKES IL PWC	700

The installation of trench-drains around steam manholes and waterproofing is required to allow subsurface water to drain off, lowering the static ground water table. A high ground water table in the Camp Porter training areas has been the cause of frequent utility outages that interfere with recruit training. Ground water levels are presently above steam manhole bases. The utility outages and resulting hazards usually occur during rainy weather or when snow is melting because of the inability of the present system to drain away water rapidly. This project will increase the life of the steam lines and conserve energy and reduce maintenance costs. (Current mission.)

SUBTOTAL - ILLINOIS 700

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		SOUTH CAROLINA	
610.10	P-747	PAY AND PERSONNEL SUPPORT OFFICE ADDITION CHARLESTON SC NS	720

Adequate administrative space is required for this activity to handle military pay and transportation functions, and to maintain military personnel records of shore activities and designated Fleet units at the Naval Base, including submarine off-crews and ships undergoing overhaul at the shipyard. These functions are currently located in a portion of the Naval Base headquarters building which is too small for expansion. The crowded conditions have impacted on this activity's ability to manage the workload, causing processing delays in handling personnel and pay records. This project provides additional administrative space by constructing a second floor addition to an existing building. (Current mission.)

SUBTOTAL - SOUTH CAROLINA 720

(CONTINUED ON DD 1391C)

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE

PROJECTS $1 MILLION AND UNDER

5. PROJECT NUMBER

VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		VIRGINIA	
171.20	P-360	TRAINING MATERIALS STORAGE LITTLE CREEK VA PHIBSCOL	800

The storage, maintenance, and repair of sit-in model training ships require slip, pier, and work-bay areas that can accommodate all of the models, support boats, and equipment. If these facilities are not expanded, support equipment and boats will have to be stored outside the building in unsecured areas accessible to both military and civilian personnel, exposing them to damage from vandalism. This project enlarges and weatherizes a building to provide storage, maintenance, ~~and repair~~ space for ship handling trainers. (Current mission.)

		SUBTOTAL - VIRGINIA	800
		WASHINGTON	
860.40	P-057	CRANE TRACKAGE EXTENSION BANGOR WA TRIDENT REFITFA	910

An additional crane rail spur is required to park additional cranes and allow remaining cranes full access to main crane rails. This extension will also be used as a place to do maintenance on cranes. Currently, there are two 56-ton cranes on the Delta Pier. These cranes will be upgraded to 85 tons each and two 25-ton cranes have been purchased. Without sufficient storage space for cranes, crane travel is severely restricted, and maintenance must be performed while the crane is on the main track, disrupting other operations. Portions of the building and the drydock covers prevent easy passage of the cranes. As berthing activities increase, crane use will intensify. The crane rail extension is essential for efficient refit of TRIDENT submarines, enabling the removal of one of four cranes from the main tracks for passage or maintenance. This project provides an additional crane rail spur on Delta Pier with related deck concrete panels. (Current mission.)

421.62	P-943	MAGAZINE MODIFICATIONS SILVERDALE WA STRATWEPFAC	800

An adequate capacity of compartmentalized and environmentally controlled magazines is required to meet the requirements for storage of re-entry bodies in support of the TRIDENT II fleet deployment schedule. The existing magazines are being utilized for A3 ordnance storage. This project provides modifications to three ordnance magazines for re-entry body storage. Without this project, this activity will not have adequate capacity to store the required quantities of re-entry bodies needed to support Strategic Weapons Facility D-5 production operations. (New mission.)

		SUBTOTAL - WASHINGTON	1,710
		TOTAL - INSIDE THE UNITED STATES	6,490

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		OUTSIDE THE UNITED STATES	
		UNITED KINGDOM	
610.10	P-610	PAY AND PERSONNEL SUPPORT OFFICE LONDON UK PERSPTACT	442

The pay and personnel source data system is a standard automated information system being installed world-wide to support the operation of personnel support activities. Existing space cannot accommodate the necessary computers and peripheral equipment. This project will provide the space necessary to house this equipment. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding. Prefinancing under NATO procedures is not planned for this project as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible. (Current mission.)

SUBTOTAL - UNITED KINGDOM	442
TOTAL - OUTSIDE THE UNITED STATES	442

VARIOUS LOCATIONS

610.10	P-091	HOST NATION INFRASTRUCTURE SUPPORT	1,000

The host nation support required varies for each individual NATO project. Since the total requirement for each NATO project cannot be determined at the project's inception, these funds will be used to cover non-NATO eligible expenses such as host nation costs, life safety, functional utility/livability, energy, administrative expenses, design support, joint formal acceptance inspection and audit, currency fluctuation losses, and restoration floor.

TOTAL - VARIOUS LOCATIONS	1,000

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		GRAND TOTAL - PROJECTS $1 MILLION AND UNDER	7,932

DD FORM 1391C
1DEC76

FAMILY HOUSING

DEPARTMENT OF NAVY
MILITARY FAMILY HOUSING
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Family Housing, Navy and Marine Corps

For expenses of family housing for the Navy and Marine Corps for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operation and maintenance, including debt payment, leasing, minor construction, principal and interest charges, and insurance premiums, as authorized by law, as follows: for Construction, [$174,621,000] $185,000,000; for Operation and maintenance, and for debt payment, [$623,700,000] $719,500,000; in all [$798,321,000] $904,500,000: Provided, That the amount provided for construction shall remain available until September 30, [1994] 1995.

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) SUMMARY

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1989 actual	1990 est.	1991 est.	Obligations 1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing	186,866	129,773	136,380	193,715	140,585	136,892
01.0201 Post-Acquisition Construction	55,665	41,748	42,420	51,222	38,529	46,738
01.0301 Planning and design	2,315	3,100	6,200	6,913	2,779	4,724
10.0001 Total	244,848	174,621	185,000	251,850	181,893	188,354
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-151,961	-144,366	-137,094
21.4009 Reprograming from/to prior year budget pla	-590					
22.4001 Unobligated balance transferred to other acc	-415			-415		
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				144,366	137,094	133,740
25.0001 Unobligated balance lapsing	340			340		
40.0001 Budget authority (Appropriation)	244,181	174,621	185,000	244,181	174,621	185,000
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				251,850	181,893	188,354
72.4001 Obligated balance, start of year				198,216	272,099	228,564
73.0001 Obligated balance transferred, net				-2,348		
74.4001 Obligated balance, end of year				-272,099	-228,564	-210,804
77.0001 Adjustments in expired accounts (net)				79		
90.0001 Outlays				175,698	225,428	206,114

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1991

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1989 actual	1990 est.	1991 est.	Obligations 1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing			136,380			77,480
01.0201 Post-Acquisition Construction			42,420			21,185
01.0301 Planning and design			6,200			3,085
10.0001 Total			185,000			101,750
Financing:						
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans						83,250
40.0001 Budget authority (Appropriation)			185,000			185,000

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1990

Identification code 17-7030-0-1-051		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing		129,773			73,618	36,689
01.0201	Post-Acquisition Construction		41,748			20,874	14,612
01.0301	Planning and design		3,100			1,550	1,085
10.0001	Total		174,621			96,042	52,386
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						-78,579
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					78,579	26,193
40.0001	Budget authority (Appropriation)		174,621			174,621	

Family Housing Construction, Navy
Program and Financing (In Thousands of dollars) FISCAL YEAR 1989

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code	17-7030-0-1-051	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing	186,866			117,087	41,665	14,991
01.0201	Post-Acquisition Construction	55,665			34,678	12,715	4,412
01.0301	Planning and design	2,315			1,747	221	185
10.0001	Total	244,846			153,512	54,601	19,588
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans					-91,334	-36,733
22.4001	Unobligated balance transferred from other a	-665			-665		
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				91,334	36,733	17,145
40.0001	Budget authority (Appropriation)	244,181			244,181		

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1988

Identification code 17-7030-0-1-051		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing				68,135	24,979	2,865
01.0201	Post-Acquisition Construction				9,106	71	6,410
01.0301	Planning and design				3,694	431	250
10.0001	Total				80,935	25,481	9,525
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-123,344	-42,158	-16,677
21.4009	Reprograming from/to prior year budget pla	250					
22.4001	Unobligated balance transferred to other acc	250			250		
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				42,158	16,677	7,152
39.0001	Budget authority						

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1987

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1989 actual	1990 est.	1991 est.	Obligations 1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing				7,365	11	4,867
01.0201 Post-Acquisition Construction				5,144	2,726	119
01.0301 Planning and design				560	7	119
10.0001 Total				13,069	2,744	5,105
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-20,918	-7,849	-5,105
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				7,849	5,105	
39.0001 Budget authority						

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1989 actual	1990 est.	1991 est.	Obligations 1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing				572	312	
01.0201 Post-Acquisition Construction				2,250	2,143	
01.0301 Planning and design				371	570	
10.0001 Total				3,193	3,025	
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-6,218	-3,025	
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				3,025		
39.0001 Budget authority						

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1985

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code	17-7030-0-1-051	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing				556		
01.0201	Post-Acquisition Construction				44		
01.0301	Planning and design				541		
10.0001	Total				1,141		
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-1,481		
21.4009	Reprograming from/to prior year budget pla	-340					
25.0001	Unobligated balance lapsing	340			340		
39.0001	Budget authority						

50C

Family Housing Construction, Navy
Object Classification (in thousands of dollars) SUMMARY

Identification code 17-7030-0-1-051		1989 actual	1990 est.	1991 est.
	Direct obligations:			
	Other services:			
125.003	Contracts	9,872	7,433	8,802
125.004	Other	2,711	2,008	2,230
132.001	Land and structures	239,267	172,452	177,322
199.001	Total Direct obligations	251,850	181,893	188,354
999.901	Total obligations	251,850	181,893	188,354

Family Housing Operations and Debt, Navy
Program and Financing (in thousands of dollars)

Identification code	17-7035-0-1-051	1989 actual	1990 est.	1991 est.
	Program by activities:			
	Direct program:			
02.0101	Operating expenses	261,221	281,956	294,490
02.0201	Leasing	28,533	41,488	53,775
02.0301	Maintenance of real property	267,270	300,048	371,037
02.0401	Interest payments	1		
02.0501	Mortgage insurance premiums	212	208	198
02.9101	Total direct program	557,237	623,700	719,500
03.0101	Reimbursable Program	8,174	11,917	12,100
10.0001	Total obligations	565,411	635,617	731,600
	Financing:			
	Offsetting collections from:			
11.0001	Federal funds(-)	-7,334	-11,917	-12,100
14.0001	Non-Federal sources(-)	-840		
22.4001	Unobligated balance transferred from other accounts (-)	-9,200		
25.0001	Unobligated balance lapsing	6,824		
39.0001	Budget authority	554,860	623,700	719,500
	Budget authority:			
40.0001	Appropriation	554,987	623,700	719,500
40.4701	Portion applied to debt reduction(-)	-127		
43.0001	Appropriation (adjusted)	554,860	623,700	719,500
	Relation of obligations to outlays:			
71.0001	Obligations incurred, net	557,237	623,700	719,500
72.4001	Obligated balance, start of year	328,755	325,834	359,762
73.0001	Obligated balance transferred, net	2,348		
74.4001	Obligated balance, end of year	-325,834	-359,762	-404,376
77.0001	Adjustments in expired accounts (net)	-2,391		
90.0001	Outlays	560,115	589,772	674,886

Family Housing Operations and Debt, Navy
Object Classification (in Thousands of dollars)

Identification code	17-7035-0-1-051	1989 actual	1990 est.	1991 est.
	Direct obligations:			
121.001	Travel and transportation of persons	2,198	2,332	2,620
123.301	Communications, utilities, and miscellaneous	166,903	176,096	180,046
	Other services:			
125.002	Purchases from industrial funds	104,963	86,841	92,639
125.003	Contracts	144,144	207,286	314,034
125.004	Other	118,912	134,171	109,365
126.001	Supplies and materials	5,211		
131.001	Equipment	14,693	16,766	20,598
143.001	Interest and dividends	213	208	198
199.001	Total Direct obligations	557,237	623,700	719,500
	Reimbursable obligations:			
223.301	Communications, utilities, and miscellaneous	5,179	7,550	7,681
	Other services:			
225.004	Other	2,343	3,417	3,474
231.001	Equipment	652	950	965
299.001	Total Reimbursable obligations	8,174	11,917	12,100
999.901	Total obligations	565,411	635,617	731,600

503

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
AUTHORIZATION FOR APPROPRIATION REQUESTED
($000)

FUNDING PROGRAM		FY 1991
Construction of New Housing		136,380
Construction Improvements		42,420
A & E Services and Construction Design		6,200
Appropriation Request, Family Housing Construction		185,000
Operations and Maintenance		665,527
Operating Expense	113,880	
Utilities	180,610	
Maintenance	371,037	
Leasing		53,775
Domestic	26,720	
Foreign	27,055	
Debt Payment		198
Principal	0	
Interest and Other Expense	0	
Servicemen's Mortgate Insurance Premiums for Existing Coverage	198	
Appropriation Request, Family Housing Support		719,500
Total Family Housing, Navy, Appropriation Request		904,500
Reimbursable Authority Requirements		12,100
Total Family Housing, Department of Navy Program		916,600

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET SUMMARY
PROGRAM SUMMARY

(In Thousands)

FY 1991 Program $916,600
FY 1990 Program $810,238

Purpose and Scope

This program provides for the support of military family housing functions within the Department of Navy.

Program Summary

Authorization is requested for:

(1) The performance of certain construction summarized hereafter; and

(2) The appropriation of $916,600,000:

(a) to fund this construction; and

(b) to fund partially certain other functions already authorized in existing legislation.

A summary of the funding program for Fiscal Year 1991 follows ($000):

Program	Navy	Marine Corps	DON Total
Construction			
Appropriation Request	168,195	16,805	185,000
Reimbursements	—	—	—
Total Program	168,195	16,805	185,000
Operations, Utilities, Maintenance and Leasing			
Appropriation Request	600,354	118,948	719,302
Reimbursements	10,400	1,700	12,100
Total Program	610,754	120,648	731,402
Debt Payment			
Appropriation Request	189	9	198
Reimbursements	—	—	—
Total Program	189	9	198
Total			
Appropriation Request	768,738	135,762	904,500
Reimbursements	10,400	1,700	12,100
Total Program	779,138	137,462	916,600

NEW CONSTRUCTION AND IMPROVEMENTS

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
CONSTRUCTION OF NEW HOUSING

(In Thousands)

FY 1991 Program $136,380
FY 1990 Program $129,773

Purpose and Scope

This program provides for land acquisition, site preparation, acquisition and construction, and initial outfitting with fixtures and integral equipment of new family housing units and associated facilities such as roads, driveways, walks, utility systems, solar energy systems, and community and recreational facilities.

Program Summary

Authorization is requested for:

(1) Construction of 1,112 units of family housing, three family housing offices, and two community centers, and

(2) Appropriation of $136,380,000 to fund this construction.

1. COMPONENT Marine Corps	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE DEC 89

3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP PENDLETON, CA	4. COMMAND	5. AREA CONSTR COST INDEX 1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30SEP87	420	2772	1556	10	5338	0	2169	25,591	778	38,634
b. END FY 19 93	609	3303	1989	66	3964	0	1991	26,515	2197	40,634

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF	227,645
c. AUTHORIZATION NOT YET IN INVENTORY	63,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,805
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	13,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	44,000
g. REMAINING DEFICIENCY	263,290
h. GRAND TOTAL	623,885

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	FAMILY HOUSING	116	11,805	Turnkey	

9. Future Projects

a. Included in the following program 107 Units

b. Major planned next three years (FY92) (FY93) (FY94)

(FY92)	(FY93)	(FY94)
107	115	120

10. Mission or Major Functions: Provide training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools and other training as directed to receive and process trainees: and conduct individual conbat training as required.

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT MARINE CORPS	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE July 1989

3. INSTALLATION AND LOCATION Marine Corps Base Camp Pendleton CA	4. PROJECT TITLE Family Housing

5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-890	8. PROJECT COST ($000) $11,805.0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing:	FA	116	$71,414	$8,284.0
Buildings	SF	149,200	53.54	(7,988.0)
Fire Sprinklers/Range Hood	FA			(296.0)
Supporting Costs:				2,323.0
Paving & Site Improvements				(1,206.0)
Utilities				(879.0)
Landscaping				(118.0)
Recreation				(80.0)
Special Construction Features				(40.0)
Demolition				(0.0)
Contingency (5 percent)				530.0
SIOH (6 percent)				668.0
Total Request				$11,805.0
TOTAL PROJECT COST (ROUNDED)				$11,805.0

10. DESCRIPTION OF PROPOSED CONSTRUCTION

DESCRIPTION: Two story family housing units; wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities. An environmental assessment has been completed and a FONSI was published on 6/10/88. Special construction features include seismic bracing.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	3	1200	1.1155	$48.00	60	3,855
SNCO	3	1350	1.1155	$48.00	40	2,891
SNCO	4	1450	1.1155	$48.00	16	1,242
					116	7,988

REQUIREMENT: 14295 FA ADEQUATE: 11353 FA SUBSTANDARD: 0 FA

PURPOSE: Provide 116 adequate family housing units for enlisted personnel. (Current mission.)

REQUIREMENT: Adequate family housing for married personnel.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT MARINE CORPS	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE July 1989
3. INSTALLATION AND LOCATION Marine Corps Base Camp Pendleton CA		
4. PROJECT TITLE Family Housing		5. PROJECT NUMBER H-890

CURRENT SITUATION: A current deficit of 2,942 adequate housing units exists for enlisted personnel. This deficit is projected to stay at the same level in FY92. There is an extreme shortage of affordable, suitable housing in the private community for enlisted personnel.

IMPACT IF NOT PROVIDED: There will be an adverse impact on the effectiveness of mission accomplishment and career retention efforts if we do not provide additional housing.

Project design conforms to Part II of Military Handbook 1190, 'Facility Planning and Design Guide'.

Family Housing Requirement coordinated with Local School District. Additional educational facilities
will not be required.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT 890930	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT NAVY	4. REPORTING INSTALLATION		
5. DATA AS OF 31 Jan 1989	a. NAME MCB Camp Pendleton	b. LOCATION California	

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	3280	18561	18893	40734	3547	20213	21309	45069
7. PERMANENT PARTY PERSONNEL	3090	16745	16674	36509	3112	14704	17971	35787
8. GROSS FAMILY HOUSING REQUIREMENTS	2124	11026	4414	17564	2138	9675	4762	16575
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	993	3296	860	5149	0	0	0	0
a. INVOLUNTARILY SEPARATED	22	90	184	296	0	0	0	0
b. UNACCEPTABLY HOUSED-MILITARY ASSETS	0	0	0	0	0	0	0	0
c. UNACCEPTABLY HOUSED-COMMUNITY ASSETS	971	3206	676	4853	0	0	0	0
10. VOLUNTARY SEPARATIONS	27	66	61	154	27	75	67	169
11. EFFECTIVE HOUSING REQUIREMENTS	2097	10960	4353	17410	2111	9600	4695	16406
12. ADEQUATE HOUSING (a+b)	1654	8063	2449	12166	1773	8018	3447	13238
a. UNDER MILITARY CONTROL	525	3718	26	4269	633	3474	874	4981
(1) Housed in Existing DOD Owned/Controlled	523	3463	26	4012	633	2978	658	4269
(2) Under Contract/Approved					0	496	216	712
(3) Vacant	2	48	0	50				
(4) Inactive		207		207				
b. PRIVATE HOUSING	1129	4345	2423	7897	1140	4544	2573	8257
(1) Acceptably Housed	1112	4309	2342	7763	1112	4309	2342	7763
(2) Vacant Rental Housing	17	36	81	134	28	235	231	494
13. EFFECTIVE HOUSING DEFICIT (11-12)	443	2897	1904	5244	338	1582	1248	3168
14. PROPOSED PROJECT						116		116
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS — a. MILITARY					30.0%	37.4%	18.6%	31.1%
b. ALL HOUSING					84.0%	84.7%	73.4%	81.4%

16. REMARKS
SEE NEXT PAGE FOR REMARKS

16. REMARKS

Line 4: MCB Camp Pendleton, CA is located approximately 35 miles north of San Diego and about 100 miles south of Los Angeles; is adjacent to the Pacific Ocean. The Camp Pendleton boundaries abut the City of San Clemente on the north, Oceanside and Carlsbad on the south, and Vista and Falbrook on the east. MCB Camp Pendleton's mission is to provide training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other units assigned; to conduct specialized schools and other training as directed; to receive and process trainees and conduct individual combat training as directed.

Line 12.a.(2): Col. h reflects 268 units included in the FY88 budget submission, 332 units included in the fy 89 budget submission and 112 units included in the FY90 budget submission.

Line 12.b.(2): Cols. e through g reflect anticipated growth in community assets.

Project Composition

116 Enlisted Units

60 3-bedroom JEN

40 3-bedroom SNCO

16 4-bedroom SNCO

----

116 Units

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION LONG BEACH, CA	4. COMMAND	5. AREA CONSTR COST INDEX 1.19

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 89	1380	15115	9133	0	0	0	97	682	0	26407
b. END FY 19 94	1297	14549	9148	0	0	0	146	1557	0	26697

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 1,351	
b. INVENTORY TOTAL AS OF 30 SEP 1988	87,406
c. AUTHORIZATION NOT YET IN INVENTORY	47,110
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	25,018
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	27,467
g. REMAINING DEFICIENCY	25,004
h. GRAND TOTAL	212,005

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	COMPLETE
711	Family Housing	300	25,018	Turnkey	

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years (FY94) 300 units

10. Mission or Major Functions: NAVSTA Long Beach provides logistic support for the operating forces of the Navy and for dependent activities and other commands as assigned. Services range from providing ships with berths, fuel and water, to providing recreation facilities for military personnel. The Pay and Personnel Administrative Support System Detachment receives, processes, and transfers personnel, both fleet and shore based. NAVSTA Long Beach is also responsible for the Housing Department, Navy Exchange, Commissary Store, Station Housekeeping, waterfront and harbor.

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NS LONG BEACH, CA	4. PROJECT TITLE FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-614	8. PROJECT COST ($000) 25,018

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	300	53,737	16,121
BUILDINGS	SF	294,000	54.83	(16,121)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				6,357
PAVING & SITE IMPROVEMENTS				(2,869)
UTILITIES				(2,418)
LANDSCAPING				(396)
RECREATION				(190)
SPECIAL CONSTRUCTION FEATURES				(484)
DEMOLITION				(0)
SUB TOTAL				22,478
CONTINGENCY (5%)				1,124
TOTAL CONTRACT COST				23,602
SUPERVISION, INSPECTION, & OVERHEAD (6%)				1,416
TOTAL REQUEST				25,018

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	2	950	1.1424	$48.00	250	13,023
SEM	2	950	1.1424	$48.00	30	1,563
SEM	3	1350	1.1424	$48.00	10	740
SEM	4	1450	1.1424	$48.00	10	795
					300	16,121

11. REQUIREMENT: 4662 FA ADEQUATE: 1999 FA SUBSTANDARD: 254 FA

Project: Provide 300 adequate family housing units for enlisted personnel. (Current mission.)

Requirement: Adequate family housing for married personnel.

Current Situation: The housing requirement at Long Beach is critical and long-standing. Over 1,500 families are currently waiting 12-18 months for assignment to existing Navy housing. The private comunity in the greater

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION LONG BEACH, CA		
4. PROJECT TITLE FAMILY HOUSING		5. PROJECT NUMBER H-614

NAVAL STATION, LONG BEACH, CA (Continued)

CURRENT SITUATION: (Continued) Los Angeles/Long Beach area is huge, with a large and diverse housing supply. However, sale housing in this area is among the most expensive in this country, priced beyond the means of enlisted and many officer families. Rental housing vacancy rates average about 2%. Affordable rentals in downtown Long Beach are old and poorly maintained. Land values are such that the relatively few new rental developments are primarily deluxe units priced beyond the means of military families.

IMPACT IF NOT PROVIDED: If the Navy is not allowed to construct additional units as an offset to the deficit, military members will be forced to choose between involuntary separation from their families or accepting housing that is unaffordable or unsuitable. Either choice will lead to dissatisfaction with the Navy. Retention will be adversely impacted.

Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

Necessary coordination with school district is in progress.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD) 891005	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT NAVY	4. REPORTING INSTALLATION a. NAME NS Long Beach	b. LOCATION California	
5. DATA AS OF 31 JANUARY 1989			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1477	10228	5569	17274	1443	10724	5382	17549
7. PERMANENT PARTY PERSONNEL	1380	9819	5296	16495	1297	9666	4883	15846
8. GROSS FAMILY HOUSING REQUIREMENTS	845	6215	1210	8270	821	6148	1055	8024
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	140	1481	534	2155				
a. INVOLUNTARILY SEPARATED	56	694	227	977				
b. UNACCEPTABLY HOUSED – MILITARY ASSETS	0	97	155	252				
c. UNACCEPTABLY HOUSED – COMMUNITY ASSETS	84	690	152	926				
10. VOLUNTARY SEPARATIONS	177	1332	219	1728	172	1318	191	1681
11. EFFECTIVE HOUSING REQUIREMENTS	668	4883	991	6542	649	4830	864	6343
12. ADEQUATE HOUSING (a + b)	541	3427	458	4426	541	3726	712	4979
a. UNDER MILITARY CONTROL	194	1700	0	1894	194	1999	254	2447
(1) Housed in Existing DOD Owned/Controlled	184	1679	0	1863	194	1399	254	1847
(2) Under Contract/Approved					0	600	0	600
(3) Vacant	10	21	0	31				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	347	1727	458	2532	347	1727	458	2532
(1) Acceptably Housed	344	1723	457	2524	347	1727	458	2532
(2) Vacant Rental Housing	3	4	1	8	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 – 12)	127	1456	533	2116	108	1104	152	1364
14. PROPOSED PROJECT					0	300	0	300
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				29.9%	47.6%	29.4%	43.3%
	b. ALL HOUSING				83.4%	83.4%	82.4%	83.2%

16. REMARKS (Specify item number)

Line 4: The Naval Station, Long Beach, California, provides logistical support to the operating forces of the Navy as well as dependent activities. Services range from providing ships with berthing, fuel, and water to recreational facilities. Naval Station Long Beach is situated approximately two miles west of downtown Long Beach. The community population exceeds two

DD Form 1523, NOV 85 Previous editions are obsolete

(Continued on reverse)

REPRODUCED AT GOVERNMENT EXPENSE

16. REMARKS (Continued)

million. The local economy consists primarily of space, missile, and aircraft industries; oil refineries; manufacturing companies; shipyards and steamship companies. Long Beach is one of the busiest ports in the world.

Project Composition

300 Enlisted Units	250 2-bedroom JEM
	30 2-bedroom SEM
	10 3-bedroom SEM
	10 4-bedroom SEM
	300 Total Units

1 COMPONENT
NAVY

FY 19 91 MILITARY CONSTRUCTION PROGRAM

2. DATE

3 INSTALLATION AND LOCATION
PUBLIC WORKS CENTER
SAN DIEGO, CA

4 COMMAND

5 AREA CONSTR COST INDEX
1.21

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	8378	49797	17780	1360	19525	0	332	4251	0	101423
b. END FY 19 93	8448	47364	17775	1517	21670	0	386	4588	0	101748

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	2,093
b. INVENTORY TOTAL AS OF 30 SEP 1988	304,017
c. AUTHORIZATION NOT YET IN INVENTORY	97,984
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	31,880
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	53,358
g. REMAINING DEFICIENCY	401,280
h. GRAND TOTAL	888,519

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	300	31,880	Turnkey	

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years (FY93, FY94) 600 units

10. Mission or Major Functions: San Diego provides support for major fleet, fleet air, research and development and parallel support operations to a significant percentage of Navy and Marine Corps forces on the West Coast.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER SAN DIEGO, CA		4. PROJECT TITLE FAMILY HOUSING	
5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-815	8. PROJECT COST ($000) $31,880

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	300	63,477	19,043
BUILDINGS	SF	345,000	55.20	(19,043)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				9,600
PAVING & SITE IMPROVEMENTS				(4,284)
UTILITIES				(3,126)
LANDSCAPING				(1,238)
RECREATION				(381)
SPECIAL CONSTRUCTION FEATURES				(571)
DEMOLITION				(0)
SUB TOTAL				28,643
CONTINGENCY (5%)				1,432
TOTAL CONTRACT COST				30,075
SUPERVISION, INSPECTION, & OVERHEAD (6%)				1,804
TOTAL REQUEST				31,879
TOTAL REQUEST (ROUNDED)				31,880

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	2	950	1.1500	$48.00	60	3,146
JEM	3	1200	1.1500	$48.00	240	15,897
					300	19,043

Project: Construct 300 adequate family housing units for enlisted personnel. (Current mission.)

Requirement: Adequate family housing is needed for married personnel.

Current Situation: The projected family housing deficit at San Diego is the largest in the Navy. The current inventory of 6,098 units satisfies only 15% of the family housing requirement. Despite aggressive Housing Referral Service efforts to maximize the Navy's share of available suitable private assets, there is a huge waiting list for Navy housing of approximately 5,800 families who face average waits of 25-26 months for one and two bedroom units, 14-15 months for three bedroom units, and 10-11 monthes for four and more bedroom units. The most critical need is for two, three, and four

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER SAN DIEGO, CA		
4. PROJECT TITLE FAMILY HOUSING		5. PROJECT NUMBER H-815

PUBLIC WORKS CENTER SAN DIEGO, CA (Continued)

CURRENT SITUATION: (Continued) bedroom units for junior enlisted families. Private sector construction of housing in San Diego county has been active over the past several years. Vacancy rates have increased from an average of 3.7% in 1986 to 7%. However, this short period of rapid growth is expected to stabilize. A recently established local anti-growth initiative, Proposition A, requires a vote of the people of San Diego before designated areas of San Diego can be developed. Also, the City of San Diego has recently passed an ordinance limiting residential construction to approximately half as many units as were built in 1986. It is conceivable that other cities in San Diego county may impose similar restrictions. The average sale price in excess of $146,000 is beyond the reach of most enlisted and junior officer families. Families seeking rental housing face similar problems. Rentals are unaffordable to many enlisted families. Despite the recent growth in residential construction, cost continues to undermine the local community's ability to supply affordable housing to more Navy families.

IMPACT IF NOT PROVIDED: Military members will be forced to choose between involuntary separation from their families. Such a choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.

Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

Necessary coordination with school district is in progress.

MILITARY FAMILY HOUSING JUSTIFICATION

1. DATE OF REPORT (YYMMDD) 880915

2. FISCAL YEAR 1991

REPORT CONTROL SYMBOL DD-A&L(AR)1716

3. DOD COMPONENT Navy

4. REPORTING INSTALLATION

a. NAME PWC.San Diego

b. LOCATION California

5. DATA AS OF 31 January 1988

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	14281	57789	36581	108651	8930	49962	21693	80585
7. PERMANENT PARTY PERSONNEL	8806	51267	21138	81211	8911	48725	20798	78434
8. GROSS FAMILY HOUSING REQUIREMENTS	5860	33258	4781	43899	6022	31798	4532	42352
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	854	6553	1747	9154				
a. INVOLUNTARILY SEPARATED	52	718	370	1140				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	802	5835	1377	8014				
10. VOLUNTARY SEPARATIONS	197	2621	960	3778	208	2506	910	3624
11. EFFECTIVE HOUSING REQUIREMENTS	5663	30637	3821	40121	5814	29292	3622	38728
12. ADEQUATE HOUSING (a + b)	4819	24137	2037	30993	4978	25465	2074	32517
a. UNDER MILITARY CONTROL	565	5533	0	6098	565	6669	0	7234
(1) Housed in Existing DOD Owned/Controlled	536	5352	0	5888	565	5533	0	6098
(2) Under Contract/Approved					0	1136	0	1136
(3) Vacant	29	181	0	210				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	4254	18604	2037	24895	4413	18796	2074	25283
(1) Acceptably Housed	4235	18544	2000	24779	4235	18544	2037	24816
(2) Vacant Rental Housing	19	60	37	116	178	252	37	467
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	844	6500	1784	9128	836	3827	1548	6211
14. PROPOSED PROJECT					0	300	0	300
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				9.7%	23.8%	0.0%	19.5%
	b. ALL HOUSING				85.6%	88.0%	57.3%	84.7%

16. REMARKS (Specify item number)

Line 4: The Naval Complex centers in the city of San Diego. The Navy Public Works Center provides support for major fleet air, research and development, and parallel support operations to a significant portion of Navy and Marine Corps forces on the West Coast. It is a center of electronic, aircraft, and mission industries. Tourism and major truck and fruit farming also support

DD Form 1523, NOV 85 Previous editions are obsolete

(Continued on reverse)

16. REMARKS (Continued)

the area. It is extremely popular as a place of residence for retired military personnel.

Project Composition

300 Enlisted Units	60 2-bedroom JEM
	240 3-bedroom JEM
	300 TOTAL

521

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION NEW YORK, NY	4. COMMAND	5. AREA CONSTR COST INDEX 1.40

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	204	1044	834	1	0	0	1	1	0	2085
b. END FY 19 93	452	4945	834	1	0	0	8	120	0	6360

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	143
b. INVENTORY TOTAL AS OF 30 SEP 1988	75,782
c. AUTHORIZATION NOT YET IN INVENTORY	40,390
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	19,692
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	36,575
h. GRAND TOTAL	172,439

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	150	19,692	Turnkey	

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years None

10. Mission or Major Functions: Naval Station, New York will be homeport to a Battleship Surface Action Group. As such, it will provide logistic support for both operating forces and tenant activities. Additionally, it provides personnel support for crews while their ships are undergoing overhaul in private shipyards in the New York area.

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1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, NEW YORK, NY	4. PROJECT TITLE FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-801	8. PROJECT COST ($000) 19,692

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	150	83,653	12,548
BUILDINGS	SF	192,500	65.18	(12,548)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				5,144
PAVING & SITE IMPROVEMENTS				(2,585)
UTILITIES				(1,882)
LANDSCAPING				(210)
RECREATION				(152)
SPECIAL CONSTRUCTION FEATURES				(314)
DEMOLITION				(0)
SUB TOTAL				17,692
CONTINGENCY (5%)				885
TOTAL CONTRACT COST				18,577
SUPERVISION, INSPECTION, & OVERHEAD (6%)				1,115
TOTAL REQUEST				19,692

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or pre-finished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	2	950	1.3580	$48.00	50	3,096
SEM	4	1450	1.3580	$48.00	100	9,452
					150	12,548

11. REQUIREMENT: 2275 FA   ADEQUATE: 1941 FA   SUBSTANDARD: 0 FA

Project: Construct 150 adequate family housing units for enlisted personnel.

Requirement: Adequate family housing is needed for married personnel.

Current Situation: As a result of strategic homeporting, a deficit of housing for enlisted personnel is projected. Construction of the infrastructure for the new homeport has been approved by Congress and is on-going. The difficulties many families are facing in finding suitable, affordable housing have been well publicized. The strict rent control laws in New York City serve to suppress the availability of rental units, as

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION NEW YORK, NY		
4. PROJECT TITLE FAMILY HOUSING		5. PROJECT NUMBER H-801

NAVAL STATION, NEW YORK, NY (Continued)

CURRENT SITUATION: (Continued) evidenced by the rental vacancy rate of 2%. The increased demand is having a spillover effect in the New Jersey suburbs as well. Those suburbs within the commuting area of the Naval Station are unaffordable.

IMPACT IF NOT PROVIDED: Military members will be forced to choose between involuntary separation from their families or accepting housing that is unaffordable or unsuitable. Either choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.

Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

Necessary coordination with the local school district is being pursued.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD) 880915	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT Navy	4. REPORTING INSTALLATION a. NAME NS New York	b. LOCATION New York	
5. DATA AS OF 31 January 1988			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	206	960	85	1251	461	3545	1520	5526
7. PERMANENT PARTY PERSONNEL	205	959	85	1249	453	3457	1488	5398
8. GROSS FAMILY HOUSING REQUIREMENTS	158	783	25	966	344	2707	390	3441
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	5	179	14	198				
a. INVOLUNTARILY SEPARATED	3	40	0	43				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	2	139	14	155				
10. VOLUNTARY SEPARATIONS	14	69	1	84	30	238	16	284
11. EFFECTIVE HOUSING REQUIREMENTS	144	714	24	882	314	2469	374	3157
12. ADEQUATE HOUSING (a + b)	177	563	10	750	203	1921	310	2434
a. UNDER MILITARY CONTROL	176	485	0	661	202	1843	300	2345
(1) Housed in Existing DOD Owned/Controlled	138	457	0	595	176	447	0	623
(2) Under Contract/Approved					26	1396	300	1722
(3) Vacant	38	28	0	66				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	1	78	10	89	1	78	10	89
(1) Acceptably Housed	1	78	10	89	1	78	10	89
(2) Vacant Rental Housing	0	0	0	0	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	-33	151	14	132	111	548	64	723
14. PROPOSED PROJECT					0	150	0	150
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				64.3%	80.7%	80.2%	79.0%
	b. ALL HOUSING				64.6%	83.9%	82.9%	81.8%

16. REMARKS (Specify item number)

Line 4: The Naval Station, New York, NY, is located on the northeast shore of the City of New York. Its current mission is to provide personnel support for crews while their ships are in overhaul in private shipyards in the New York area. Beginning in 1989, NS New York will become the homeport to a Battleship Surface Action Group (BB-SAG).

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16. REMARKS (Continued)

Project Composition

150 Enlisted Units	50 2-bedroom JEM
	100 4-bedroom JEM
	150 Total Units

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION GUANTANAMO BAY, CUBA	4. COMMAND	5. AREA CONSTR COST INDEX 1.61

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	206	2295	406	0	0	0	100	669	0	3676
b. END FY 19 93	203	2438	406	0	0	0	100	669	0	3816

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	28,817
b. INVENTORY TOTAL AS OF 30 SEP 1988	99,044
c. AUTHORIZATION NOT YET IN INVENTORY	12,430
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	18,409
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	15,873
g. REMAINING DEFICIENCY	936
h. GRAND TOTAL	146,692

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	134	18,409	Turnkey	

9. Future Projects:

a. Included in following program (FY92)	None
b. Major planned next three years (FY94)	100 units

10. Mission or Major Functions: Provide logistic support for the operating forces of the Navy, dependent activities and other commands as assigned.

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PAGE NO.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NS GUANTANAMO BAY, CUBA	4. PROJECT TITLE FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-803	8. PROJECT COST ($000) $18,409

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	134	87,485	11,723
BUILDINGS	SF	147,100	79.69	(11,723)
SOLAR SYSTEM	FA			(0)
SUPPORTING COST:				4,740
PAVING & SITE IMPROVEMENTS				(2,227)
UTILITIES				(1,915)
LANDSCAPING				(469)
RECREATION				(117)
SPECIAL CONSTRUCTION FEATURES				(12)
SUB TOTAL				16,463
CONTINGENCY (5%)				823
TOTAL CONTRACT COST				17,286
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				1,123
TOTAL REQUEST				18,409

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	2	950	1.5939	$50.00	72	5,451
JEM	3	1200	1.5939	$50.00	40	3,825
JEM	4	1350	1.5939	$50.00	12	1,291
SEM	4	1450	1.5939	$50.00	10	1,156
					134	11,723

11. REQUIREMENT: 1293 FA ADEQUATE: 995 FA SUBSTANDARD: 0 FA

Project: Construct 134 adequate family housing units for enlisted personnel.

Requirement: Adequate on-base family housing is needed for married personnel at this remote overseas location.

Current Situation: The Naval Station, Guantanamo Bay, is the only military installation located in a communist country. As such, all personnel must

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION GUANTANAMO BAY, CUBA		
4. PROJECT TITLE FAMILY HOUSING		5. PROJECT NUMBER H-803

NAVAL STATION, GUANTANAMO BAY, CUBA (Continued)

CURRENT SITUATION: (Continued) live on-base. Dependent entry approval, contingent on the availability of government quarters, is required before a military member can be accompanied by dependents. Involuntary separation is detrimental to morale. Construction of additional government quarters will reduce the wait for housing.

IMPACT IF NOT PROVIDED: Military members will be forced to choose between involuntary separation from their families or accepting housing that is unaffordable or unsuitable. Either choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.

Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

Bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new, or alteration of existing, facilities for U.S. requirements shall be the responsibility of the U.S.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD)	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT Navy	4. REPORTING INSTALLATION a. NAME NS Guantanamo	b. LOCATION Cuba	
5. DATA AS OF 31 Jan 1989			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	430	2289	725	3444	477	2429	678	3584
7. PERMANENT PARTY PERSONNEL	330	1837	509	2676	413	2063	462	2938
8. GROSS FAMILY HOUSING REQUIREMENTS	293	1466	90	1849	344	1634	74	2052
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	273	40	313				
a. INVOLUNTARILY SEPARATED	0	273	40	313				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	0	0	0	0				
10. VOLUNTARY SEPARATIONS	49	310	50	409	51	341	41	433
11. EFFECTIVE HOUSING REQUIREMENTS	244	1156	40	1440	293	1293	33	1619
12. ADEQUATE HOUSING (a + b)	244	884	0	1128	258	1115	0	1373
a. UNDER MILITARY CONTROL	244	884	0	1128	258	1115	0	1373
(1) Housed in Existing DOD Owned/Controlled	244	884	0	1128	244	884	0	1128
(2) Under Contract/Approved					14	237	0	245
(3) Vacant	0	0	0	0				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	0	0	0	0	0	0	0	0
(1) Acceptably Housed	0	0	0	0	0	0	0	0
(2) Vacant Rental Housing	0	0	0	0	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	0	272	40	312	35	178	33	246
14. PROPOSED PROJECT					0	134	0	134
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				88.1%	96.6%	0.0%	93.1%
	b. ALL HOUSING				88.1%	96.6%	0.0%	93.1%

16. REMARKS (Specify item number)

Line 4: The Naval Complex, Guantanamo Bay, Cuba, is strategically located on the southeast tip of the island of Cuba. It is the only U.S. military base situated in a communist country. U.S. personnel are not permitted to exit the confines of the base either to visit or to reside in the private community. The base is totally self-sufficient, including the provision of all utilities.

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Line 12. a.(1) Projected existing Military Family Housing units reduced by 134 to reflect requirement to replace units.
16. REMARKS (Continued)

Project Composition

134 Enlisted Units	72 2-bedroom JEM
	40 3-bedroom JEM
	12 4-bedroom JEM
	10 4-bedroom SEM
	134 Total Units

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION KEFLAVIK, ICELAND	4. COMMAND	5. AREA CONSTR COST INDEX 2.80

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	294	2752	110	0	0	0	169	411	0	3736
b. END FY 19 93	304	2769	113	0	0	0	115	345	0	3646

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	23,340
b. INVENTORY TOTAL AS OF 30 SEP 1988	100,534
c. AUTHORIZATION NOT YET IN INVENTORY	71,454
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	27,479
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	30,611
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	10,800
h. GRAND TOTAL	240,878

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	112	27,479	Turnkey	

9. Future Projects:

a. Included in following program (FY92)	108 units
b. Major planned next three years	None

10. Mission or Major Functions: U.S. Naval Station, Keflavik provides administration and logistic support to thirty-two tenant commands in Iceland. These include Commander Iceland Defense Force, Commander Fleet Air Keflavik, Commander Air Forces Iceland, U.S. Naval Facility 57th Fighter Interceptor Squadron; and the 960th AWACS.

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1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAS KEFLAVIK, ICELAND	4. PROJECT TITLE FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-812	8. PROJECT COST ($000) 27,479

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	112	165,929	18,584
BUILDINGS	SF	135,450	137.20	(18,584)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				5,988
PAVING & SITE IMPROVEMENTS				(2,670)
UTILITIES				(2,694)
LANDSCAPING				(260)
RECREATION				(180)
SPECIAL CONSTRUCTION FEATURES				(184)
DEMOLITION				(0)
SUB TOTAL				24,572
CONTINGENCY (5%)				1,229
TOTAL CONTRACT COST				25,801
SUPERVISION, INSPECTION, & OVERHEAD (6.5%)				1,678
TOTAL REQUEST				27,479

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three story family housing buildings; precast concrete structures with bulk storage areas, balconies, indoor common recreation area and geothermal space heating systems. Cost of shipping U.S. precasting system included in $/NSF. Special construction cost required for removal of bedrock.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	2	950	2.7440	$50.00	22	2,867
SEM	2	950	2.7440	$50.00	4	521
JEM	3	1200	2.7440	$50.00	18	2,964
SEM	3	1350	2.7440	$50.00	31	5,742
CGO	2	950	2.7440	$50.00	12	1,564
CGO	3	1350	2.7440	$50.00	4	741
CGO	4	1450	2.7440	$50.00	4	796
FGO	3	1400	2.7440	$50.00	11	2,113
FGO	4	1550	2.7440	$50.00	6	1,276
					112	18,584

11. REQUIREMENT: 1647 FA ADEQUATE: 1277 FA SUBSTANDARD: 0 FA

Project: Construct 112 adequate family housing units for officer and enlisted personnel.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION
KEFLAVIK, ICELAND

4. PROJECT TITLE FAMILY HOUSING	5. PROJECT NUMBER H-812

NAVAL AIR STATION, KEFLAVIK, IC (Continued)

REQUIREMENT: Adequate family housing is needed for married personnel at this remote overseas location.

CURRENT SITUATION: Under the terms of the 1974 Memorandum of Understanding between the Government of Iceland and the U.S. Government, all military sponsored families and unaccompanied personnel are required to live on-base. No community support is therefore available. The Navy is responsible for providing housing support for all Navy and Air Force personnel stationed at Keflavik. The proposed construction is in support of a joint Navy/Air Force requirement. Dependent entry approval is required and is contingent upon housing availability. Due to increases in unaccompanied tour lengths from 12 to 18 months, there is increased incentive for members to elect accompanied tours to avoid prolonged separations from their families. Without available housing, they remain involuntarily separated while awaiting assignment to government quarters. Currently enlisted personnel face an eight to ten month wait for government quarters.

IMPACT IF NOT PROVIDED: Military members will be forced to choose between involuntary separation from their families. Such a choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.

Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

NATO funding is not applicable to this project because it is not in a category eligible for NATO common funding.

Bilateral agreement of 1951 covering the U.S. presence in Iceland for defense purposes provides for U.S. unilateral construction of support facilities, other than those eligible for NATO common funding.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD) 880915	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(AR)1716

3. DOD COMPONENT Navy

4. REPORTING INSTALLATION a. NAME NAS Keflavik b. LOCATION Iceland

5. DATA AS OF 31 January 1988

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	582	2519	719	3820	419	2487	627	3533
7. PERMANENT PARTY PERSONNEL	413	2227	600	3240	417	2244	525	3186
8. GROSS FAMILY HOUSING REQUIREMENTS	385	1690	126	2201	308	1654	97	2059
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	33	627	79	739				
a. INVOLUNTARILY SEPARATED	33	627	79	739				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	0	0	0	0				
10. VOLUNTARY SEPARATIONS	69	315	47	431	67	309	36	412
11. EFFECTIVE HOUSING REQUIREMENTS	316	1375	79	1770	241	1345	61	1647
12. ADEQUATE HOUSING (a + b)	160	755	0	915	157	1120	0	1277
a. UNDER MILITARY CONTROL	160	755	0	915	157	1120	0	1277
(1) Housed in Existing DOD Owned/Controlled	159	748	0	907	157	758	0	915
(2) Under Contract/Approved					0	362	0	362
(3) Vacant	1	7	0	8				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	0	0	0	0	0	0	0	0
(1) Acceptably Housed	0	0	0	0	0	0	0	0
(2) Vacant Rental Housing	0	0	0	0	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	156	620	79	855	84	225	61	370
14. PROPOSED PROJECT					37	75	0	112
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				80.5%	88.8%	0.0%	84.3%
	b. ALL HOUSING				80.5%	88.8%	0.0%	84.3%

16. REMARKS (Specify item number)

Line 4: The Naval Air Station, Keflavik, Iceland, is a primary NATO strategic location. The facility is situated 27 miles WSW of Reykjavik (85,000 population) and one mile west of Keflavik (6,500 population) on a coastal lava plain. The economy is based on the fishing industry. Reykjavik is the center for all import-export traffic for Iceland. Under the terms of

DD Form 1523, NOV 85 Previous editions are obsolete

(Continued on reverse)

16. REMARKS (Continued)

the Memorandum of Understanding between the Government of Iceland and the U.S. Government, all military sponsored families and unaccompanied personnel must reside on the Navy installation. No community housing is available.

Project Composition

75 Enlisted Units	22 2-bedroom JEM
	18 3-bedroom JEM
	4 2-bedroom SEM
	31 3-bedroom SEM
37 Officer Units	12 2-bedroom CGO
	4 3-bedroom CGO
	4 4-bedroom CGO
	11 3-bedroom FGO
	6 4-bedroom FGO
	112 Total Units

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER POINT MUGU, CA	4. COMMAND	5. AREA CONSTR. COST INDEX 1.18

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	369	2055	4465	3	5		104	317		7318
b. END FY 19 93	398	2175					84	424		7546

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 27,093	
b. INVENTORY TOTAL AS OF 30 SEP 1988	47,945
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	513
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	48,458

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
714-30	Family Housing Office	4,116 SF	513.0	3/90	12/90

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years None

10. Mission or Major Functions: PMTC provides research and development, logistics, technical support, and training facilities for Naval weapons systems, and related devices, in support of the fleet and other department of defense agencies.

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER POINT MUGU, CA	4. PROJECT TITLE HOUSING OFF/SELF HELP STORE

5. PROGRAM ELEMENT	6. CATEGORY CODE 714-30	7. PROJECT NUMBER HC-01-87	8. PROJECT COST ($000) 513

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HOUSING OFFICE/SELF HELP STORE.	SF	4,116	103.84	427
SUPPORTING FACILITIES	LS	-	-	34
SUBTOTAL.	-	-	-	461
CONTINGENCY (5%).	-	-	-	23
TOTAL CONTRACT COST	-	-	-	484
SUPERVISION, INSPECTION & OVERHEAD (6%) .	-	-	-	29
TOTAL REQUEST	-	-	-	513

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a Family Housing Office and self-help store at Pacific Missile Test Center, Point Mugu, California. A new housing office will include space for a briefing room, offices, storage of self-help materials and maintenance rooms. Demolition of the inadequate storage building will also be accomplished. This project will impose no dislocation of sevices during the actual construction process.

11. REQUIREMENT: A family housing office which is efficiently designed to provide the best support services to military families in the Point Mugu, California area. (Current mission.)

CURRENT SITUATION: The existing housing office which is over 35 years old and inadequate to meet the requirements of an administrative office and ancillary space. There is little privacy for incoming military members and their families. Meetings, conferences and self-help training is often held in the open office area space. There is no safe and secure space for computer equipment, storage of equipment and office/janitorial supplies. The parking areas are inadequate and at times, flood. The existing building provides one-half of the office space required to adequately meet the requirements of the family housing staff and their costomers.

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S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER POINT MUGU, CA		
4. PROJECT TITLE HOUSING OFFICE		5. PROJECT NUMBER HC-01-87

PACIFIC MISSILE TEST CENTER, POINT MUGU, CA (Continued)

IMPACT IF NOT PROVIDED: The mission of PMTC is to perform development test and evaluation, development support, and follow-on engineering, logistics, and training support for naval weapons, weapons systems, and related devices, and to provide major range, technical, and base support for fleet users and other Department of Defense and government agencies.

In addition, PMTC serves an effective instrument of United States foreign policy by initiating and continuing action programs which promote positive relations between the command and foreign nationals, and which assist individual naval personnel and their families to work effectively, live with dignity and satisfaction, and function as positive representatives of the Navy and the United States.

The Point Mugu Family Housing Office is one of the first points of contact for military members and their families upon assignment to this high tech command. At PMTC military members and their families first impressions of this high tech installation will demise upon viewing this old worn out building. Studies have demonstrated that the condition of shore support facilities impacts retention. Housing office personnel will continue to work in crowded stress related conditions impacting their attitudes and service to military families.

Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT		2. DATE
NAVY	FY 19 91 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
NAVAL AMPHIBIOUS BASE LITTLE CREEK, NORFOLK, VA		0.91

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	1075	9916	405	144	1048		57	429		13074
b. END FY 19 93	1084	10532	426	186	1320		57	429		14034

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	11,807
b. INVENTORY TOTAL AS OF 30 SEP 1988	53,007
c. AUTHORIZATION NOT YET IN INVENTORY	372
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	53,379

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Office	4,000 SF	372.0	4/89	7/90

9. Future Projects:

a.	Included in following program (FY92)	None
b.	Major planned next three years	None

10. Mission or Major Functions: Provide training facilities, logistical support, and administrative support for Amphibious units and other specialized units within the Fleet. The base is one of four activities within the Norfolk Naval Complex.

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PAGE NO.

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE LITTLE CREEK, VA	4. PROJECT TITLE HOUSING OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE 714-30	7. PROJECT NUMBER HC-02-88	8. PROJECT COST ($000) 372

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HOUSING OFFICE.	SF	4,000	80.96	324
SUPPORTING FACILITIES	LS	-	-	10
SUBTOTAL.	-	-	-	334
CONTINGENCY (5%).	-	-	-	17
TOTAL CONTRACT COST	-	-	-	351
SUPERVISION, INSPECTION & OVERHEAD (6%) .	-	-	-	21
TOTAL REQUEST	-	-	-	372

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a housing office building on concrete slab with brick/masonry walls and shingled roof, complete with utilities. Building includes space for offices, conference room, reception/waiting room, child play area, central file room, and administrative storage space. Construction to include fire alarm, sprinkler system, parking, roads, sidewalks, landscaping and central air conditioning.

11. REQUIREMENT: An adequate housing office is required to support the military personnel and their families located in the Tidewater Naval Base Norfolk area. (Current mission.)

CURRENT SITUATION: The existing housing office, built in 1947, is a converted home located adjacent to the main base entrance, Gate 5. The office spaces used for housing and housing referral services are extremely overcrowded. Parking at the building is severely limited with no land available for expansion. The building is scheduled to be demolished to make way for expansion of the Naval Base pass office building.

IMPACT IF NOT PROVIDED: Housing management and referral services will continue to be provided under overcrowded and adverse conditions. In addition, upon construction of the new Pass Office, the present facility must be vacated. There will be no housing office to service the needs of military personnel and their families in the Tidewater Naval Base Norfolk area.

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S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE LITTLE CREEK, NORFOLK, VA		
4. PROJECT TITLE HOUSING OFFICE		5. PROJECT NUMBER HC-02-88

NAVAL AMPHIBIOUS BASE, LITTLE CREEK, NORFOLK, VA (Continued)

Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

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S/N 0102-LF-001-3915

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1 COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE

3 INSTALLATION AND LOCATION PUBLIC WORKS CENTER NORFOLK, VA	4. COMMAND	5 AREA CONSTR COST INDEX 0.92

6 PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	9034	79344	26537	865	5246		609	3483		125118
b. END FY 19 93	9115	75201	26836	1018	5306		631	3792		121899

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 168	
b. INVENTORY TOTAL AS OF 30 SEP 1988	215,644
c. AUTHORIZATION NOT YET IN INVENTORY	332
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	834
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	216,810

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Community Center	5,000 SF	417.0	4/89	7/90
711	Family Housing Community Center	5,000 SF	417.0	4/89	7/90

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years None

10. Mission or Major Functions: PWC Norfolk provides public works, utilities, family housing, transportation support, engineering services, shore facilities planning support, and all other logistic support of a publics works nature for operating forces in the Sewells Point Complex.

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1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER NORFOLK, VA	4. PROJECT TITLE COMMUNITY CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE 714-32	7. PROJECT NUMBER H-20-84	8. PROJECT COST ($000) 417

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNITY CENTER	SF	5,000	67.16	336
SUPPORTING FACILITIES	LS	-	-	38
SUBTOTAL.	-	-	-	374
CONTINGENCY (5%).	-	-	-	19
TOTAL CONTRACT COST	-	-	-	393
SUPERVISION, INSPECTION & OVERHEAD (6%) . .	-	-	-	24
TOTAL REQUEST	-	-	-	417

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project constructs a one story building on concrete slab with insulation, brick veneer, metal roof deck with built-up roofing over rigid insulation, heating, air conditioning, fire alarm and telephone systems.

11. REQUIREMENT: This project will construct a 5,000 square foot Community Center. The Carper Housing area is comprised of 576 four bedroom and 24 five five bedroom townhouse units providing housing for enlisted rates, E-4 and above. There are approximately 3,600 occupants of which 2,400 are young people. Carper is a high density housing complex not located near any other military activity or base and is several miles from the nearest military support facilities. It is completely surrounded by civilian community housing, apartments, and subdivisions. This housing complex desperately needs a community center to accommodate the social, cultural, and physical activities of its residents. (Current mission.)

CURRENT SITUATION: No community center exists in the Carper Housing area. Access to the few civilian facilities in the vicinity by the Carper youth is frustrated by the lack of public transportation. A serious safety hazard for pedestrian traffic exists because the perimeter roadway servicing the complex is heavily traverled and has no sidewalks.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
PUBLIC WORKS CENTER
NORFOLK, VA

4. PROJECT TITLE COMMUNITY CENTER	5. PROJECT NUMBER HC-20-84

PUBLIC WORKS CENTER, NORFOLK, VA (Continued)

IMPACT IF NOT PROVIDED: An adequate community center will not be available to the residents of this housing complex. Occupant frustration and sense of isolation will continue to grow. The already existing high rate of theft, vandalism and associated problems can be expected to increase resulting in a lower quality of life for our Navy tenants.

Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PUBLIC WORKS CENTER NORFOLK, VA	COMMUNITY CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-32	H-50-79	417

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNITY CENTER	SF	5,000	67.16	336
SUPPORTING FACILITIES & DEMOLITION	LS	-	-	38
SUBTOTAL	-	-	-	374
CONTINGENCY (5%)	-	-	-	19
TOTAL CONTRACT COST	-	-	-	393
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	24
TOTAL REQUEST	-	-	-	417

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction consists of demolition, site preparation, foundation, interior and exterior walls, heating, air conditioning, electrical, built-up roofing, plumbing, lighting, sidewalks and parking.

11. REQUIREMENT: This project will demolish an existing old warehouse and construct a 5,000 square foot Community Center. The South Annex of the Naval Base Complex is comprised of aproximately 4,850 personnel and dependents and does not have an adequate community center which will meet Navy fire and sanitary standards. (Current mission.)

CURRENT SITUATION: A converted warehouse is presently being used as a community center and cannot meet the needs generated by the South Annex Complex. The overall condition of the building is totally inadequate. The building does not meet current fire and sanitary standards.

IMPACT IF NOT PROVIDE: The South Annex Complexes will continue to lack facilities to support community social and recreational functions. This will continue to have an adverse effect of the moral and welfare of Navy housing occupants.

Project Design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide."

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1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
NAVAL AIR STATION BERMUDA, WEST INDIES		1.61

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	75	885	182				138	505		1785
b. END FY 19 93	78	950	182				184	627		2021

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 1,459	
b. INVENTORY TOTAL AS OF 30 SEP 1988	34,857
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	378
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	35,235

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Office	2,300 SF	378.0	5/89	7/90

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years None

10. Mission or Major Functions: Maintain and operate facilities; provide services and materials to support aviation operations and operating forces from other activities and units; and provide emergency services to ships and aircraft in the South Atlantic.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION BERMUDA, WEST INDIES	4. PROJECT TITLE HOUSING OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-30	HC-10-88	378

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HOUSING OFFICE	SF	2,300	141.68	326
SUPPORTING FACILITIES	LS	-	-	12
SUBTOTAL	-	-	-	338
CONTINGENCY (5%)	-	-	-	17
TOTAL CONTRACT COST	-	-	-	355
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	23
TOTAL REQUEST	-	-	-	378

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Single story structure with slab on grade, complete with Bermuda style roof suitable for water catchment. The facility will require all utilities including air conditioning, a fire protection and detection system, parking access road, sidewalks, landscaping and site lighting.

11. REQUIREMENT: Adequate facility to provide professional housing services to the military families stationed at NAS Bermuda. The office not only assigns military quarters, but seves as a housing referral office. (Current mission.)

CURRENT SITUATION: The housing office is operated out of the basement of a 40 year old transient air crew barracks. It is contained in 685 square feet of space, which barely affords enough room to talk to one person, let alone a family. This is one of the first impressions a family has of life in housing at NAS Bermuda. Housing maintenance is performed by contract and requires lots of communication between the housing office and the occupants. If more than one person needs to be addressed, for example during the recent massive hurricane repairs, an alternate conference area must be used. All administrative functions from inspection of the housing maintenance contract to housing referral are performed at this office. There are approximately 1,500 families serviced by this office per year.

1. COMPONENT NAVY	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION
BERMUDA, WEST INDIES

4. PROJECT TITLE HOUSING OFFICE	5. PROJECT NUMBER HC-10-88

NAVAL AIR STATION, BERMUDA, WEST INDIES (Continued)

IMPACT IF NOT PROVIDED: The Housing Office will continue to provide limited services to military families housed at NAS Bermuda out of the basement of the transient squadron barracks. This will inhibit the ability of the Housing Office to provide a positive first impression of life in Bermuda, and adversely impact on morale.

Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
CONSTRUCTION IMPROVEMENTS

(In Thousands)

FY 1991 Program $42,420
FY 1990 Program $41,748

Purpose and Scope

This program provides for alterations, additions, expansions, or extensions to existing public quarters which will materially increase the useful life and livability of the units improved at a minimum of capital investment; includes energy conservation investments which meet energy savings criteria.

Program Summary

Authorization is requested for:

(1) Various improvements to existing family housing; and

(2) Appropriation of $42,420,000 to fund these improvements.

We are maintaining our emphasis on larger, wholehouse projects, which will accomplish all required improvements and repairs at one time. Execution of prior year programs has been essentially completed.

Exhibit FH-6

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES	4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER VARIES	8. PROJECT COST ($000) $42,420

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING - ALTERATIONS, ADDITIONS AND REHABILITATIONS	L/S	--	--	42,420
TOTAL REQUEST				42,420

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Alterations and modernization of kitchens and baths; improvements to heating and cooling systems; provision of storage and utility rooms; interior rearrangements; provision of additional bathrooms, closets and family room; provision of carports, patios, privacy screening and storage; provision of ceiling and wall insulation; provision of storm windows and doors; provision of landscaping, play areas.

11. REQUIREMENT: The improvements will provide safe and decent living conditions for housing occupants, are considered significant in personnel retention and are consistent with good property management techniques.

IMPACT IF NOT PROVIDED: Units and supporting systems will continue to be used "as is" with increasing obsolescence and unnecessary high energy use.

Project designs conform to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

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1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
ALASKA	
NS Adak Improvements to 82 enlisted units. Provides for blown insulation into the attic spaces, partitioning of the garage and laundry areas to obtain a more secure storage area, installation of a fire life safety window in each master bedroom, bathroom vanities, tub enclosures, exhaust fans, ground fault interrupter receptacles, new medicine cabinets, energy efficient lighting, weatherstripping on exterior doors and setback thermostats. Includes installation of weather alcoves, gutters and downspouts, additional off-street parking and construction of dumpster pads.	2,911.3
CALIFORNIA	
MCB Camp Pendleton Improvements to 1,176 officer and enlisted units. Provides for galvanized metal gutters, downspouts, and splash pads at front and rear entrances.	962.0
MCB Camp Pendleton Improvements to 170 enlisted units. Provides for new kitchen cabinets, patio enclosures, fire protection and reconfiguration of the kitchen and dining areas. Includes an additional $6,309K of concurrent repairs. (See separate DD Form 1391.)	851.0
NS Long Beach Improvements to 100 officer and enlisted units. Provides for screen doors, dishwashers, cabinets in utility rooms, hot water heaters, bathroom vanities and exhaust fans. Includes gutters and downspouts, splash blocks, water diverters, patio covers, and a concrete walkway between utility rooms, garages and backyards. Includes an additional $5,750.7K of current repairs (See Separate DD Form 1391.)	1,013.8

DD FORM 1 DEC 76 1391c

S/N 0102-LF-001-3915

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
NS Mare Island Improvements to 211 officer and enlisted units. Provides for installation of dishwashers, fluorescent lighting and additional ground fault interrupter outlets.	321.7
NPGS Monterey Improvements to 278 officer units. Provides for installation of bathroom vanities.	241.0
PWC San Diego Improvements to 217 enlisted units, Phase II. Provides for dishwashers and kitchen cabinets.	431.3
PWC San Diego Improvements to 32 officer and enlisted units. Provides for exhaust fans, additional electrical outlets in kitchens and bathrooms, energy efficient interior light fixtures, and ductwork insulation. Includes an additional $2,086.5K of concurrent repairs. (See Separate DD Form 1391.)	84.7
PWC San Francisco Improvements to 560 officer and enlisted units. Provides for privacy fencing and garbage enclosures.	1,615.7
PWC San Francisco Improvements to 260 officer and enlisted units. Provides for privacy fencing.	614.1
PWC San Francisco Improvements to 30 enlisted units. Provides for construction of carports, patio slabs and privacy fencing.	505.8
MCAS Tustin Improvements to 861 enlisted units. Provides for the installation of a six foot high block wall sound/environmental barrier.	148.0

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S/N 0102-LF-001-3919

1. COMPONENT NAVY	FY 19_91_MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS	5. PROJECT NUMBER	

FLORIDA	
NCSC Panama City Improvements to 65 officer and enlisted units. Provides for installation of rear doors (including hardware), front and rear storm doors, radiant heat barrier window film, and construction of concrete patios and privacy screen.	103.0
PWC Pensacola Improvements to two officer units. Provides for construction of concrete swales to divert excess water overflow away from carports into the drainage system.	10.6
PWC Pensacola Improvements to two officer units. Provides for additional bathrooms including electrical, plumbing, and insulation work.	21.5
GEORGIA	
MCAS Albany Improvements to 270 officer and enlisted units. Phase II. Provides for installation of blown-in insulation.	281.0
ILLINOIS	
PWC Great Lakes Improvements to 178 enlisted units, Phase I. Provides for finished basements, central air conditioning, garages, wired smoke detectors, suspended ceilings in all units except single family units, relocation of electrical outlets in kitchens and dining rooms, ceiling light fixtures in bedrooms, ground fault interrupter receptacles, patios, storage sheds, privacy fencing and additional shrubbery. Includes an additional $3,654.0K of concurrent repairs. (See Separate DD Form 1391.)	7,799.5

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

MASSACHUSETTS

DODFHF Westover 541.7

Improvements to 124 officer and enlisted units. Provides for additional security lighting at front and rear entrances, wooden privacy screen between units, enclosures for refuse containers, skylight covering, extension of entrance landings, column supports at rear entrance canopies, gutters and downspouts at rear entrances, transparent cover for basement window wells, insulation in basement ceilings and additional kitchen cabinets in 80 units. Includes bathroom exhaust fans and light fixtures, interior light fixtures at top of stairwells, and ground fault interrupter receptacles.

MISSOURI

MCFC Kansas City 190.0

Improvements to 240 officer and enlisted units. Provides for construction of sidewalks.

NEVADA

NAS Fallon 10.0

Improvements to one installation commander quarters. Provides for conversion of a sunroom into a bathroom, additional kitchen cabinets and electrical outlets. Converts present utility room into a storage room. Includes an additional $64.5K concurrent repairs. (See Separate DD Form 1391.)

NEW YORK

NS New York 4,525.9

Improvements to 191 officer and enlisted units, Phase I. Provides for ground fault interrupter receptacles, central air conditioning, hot water heaters, non-slip stair treads, exterior mailboxes with locks, vinyl shutters, vestibules, wired smoke detectors, lighting in crawl spaces, frost free hose bibbs at rear of each unit, dishwashers, and exhaust fans. Includes resilient surfacing around playground equipment, additional playground equipment, shrubbery, screening and pads for dumpsters.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

NORTH CAROLINA

MCB Camp Lejeune 780.0

Improvements to 187 mobile home spaces. Provides for enlarging patios, construction of carports and storage buildings.

MCB Camp Lejeune 409.0

Improvements to 435 Capehart units at MCAS New River. Provides for installation of built-in dishwashers and garbage disposals. Includes an additional $16,473 of concurrent repairs. (See separate DD 1391.)

PENNSYLVANIA

NS Philadelphia 3,807.8

Improvements to 200 enlisted housing units, Phase I. Provides for wooden hand rails and safety treads on interior stairs, wrought iron railing on exterior stairs, bathroom vanities and exhaust fans, ductwork insulation, ground fault interrupter receptacles, additional receptacles, vinyl window shutters, entrance canopies, garbage can enclosures, and cable television outlets.

NADC Warminster 29.3

Improvements to four enlisted units. Provides for additional electrical receptacles, interior storage space, exterior storage sheds, insulation on ductwork and receptacles, heater covers for spark ignition and humidifier.

RHODE ISLAND

NETC Newport 1,491.9

Improvements to 102 officer and enlisted units. Provides for dishwashers, garbage disposals, bathroom exhaust fans, concrete patios, privacy fencing, additional electrical receptacles, conversion of carports to garages, and additional shrubbery.

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S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
SOUTH CAROLINA	
MCAS Beaufort Improvements to 333 officer and enlisted housing units. This project will be the third and final phase of an effort to renovate 1,100 units. The project will provide for range hood extinguishing systems. Includes an additional $8,300K for concurrent repairs. (See separate DD Form 1391.)	625.0
TENNESSEE	
NAS Memphis Improvements to 486 enlisted units. Provides for widening two streets and installation of nine speed breakers.	39.7
VIRGINIA	
PWC Norfolk Improvements to 225 enlisted units. Provides for improved exterior door and window locks.	192.1
PWC Norfolk Improvements to 609 enlisted units. Provides for landscaping including shade trees, flowering trees, and shrubbery.	431.3
PWC Norfolk Improvements to 257 enlisted units. Provides for improved exterior door and window locks, relocation of porch lights and installation of house numbers.	188.9
PWC Norfolk Improvements to 114 enlisted units. Provides for landscaping to include shade trees, flowering trees, and shrubbery.	54.0

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
PWC Norfolk Improvements to 72 officer units. Provides for installation of fire walls with 2" x 4" wooden studs and 5/8" fire resistant sheet in attic areas.	64.8
NSGA Northwest Improvements to 51 officer and enlisted units. Provides for dishwashers, bathroom vanities, utility room shelves, and kitchen fluorescent lighting fixtures.	92.3
WASHINGTON NSB Bangor Improvements to 100 enlisted units. Provides for installation of new cabinets, dishwashers, countertops, stainless steel wall guards behind stoves, garbage disposals, new windows, combination storm/screen doors and improved kitchen and bathroom lighting. Includes improvements to carports, sidewalks, steps, guardrails, carport grading, exterior lighting, access roads and retaining walls. Includes an additional $4,296.6K of concurrent repairs. (See Separate DD Form 1391.)	1,771.0

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
OUTSIDE THE UNITED STATES	
ICELAND	
NAS Keflavik Improvements to 224 officer and enlisted units. Provides for sealing a total of 480 slab openings in ceilings with noncombustible sealing material to correct a serious fire hazard.	1,142.3
NAS Keflavik Improvements to 132 officer and enlisted units. Provides for sealing a total of 264 slab openings in ceilings with noncombustible sealing material to correct a serious fire hazard.	963.7
JAPAN	
MCAS Iawkuni Improvements to 44 officer and enlisted units. Provides for carpeting with cushion in all family housing living spaces with the exception of the kitchen and bathrooms. Required for sound reduction in midrise (6 story) building that has a high density living level.	254.0
MARIANAS ISLAND	
PWC Guam Improvements to 53 officer and enlisted units, phase II. Provides for gutters with downspouts, dishwashers, range hoods, garbage disposals, additional kitchen cabinets, carports with storage and driveway, trash enclosures, patios, concrete privacy dividers, and protective coverings for air conditioners.	3,024.4

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
OUTSIDE THE UNITED STATES	
PUERTO RICO	
NS Roosevelt Roads	872.8
Improvements to 32 enlisted units. Provides for removal of existing window air conditioners, installation of central air conditioners, ductwork, refrigerant tubing and piping, controls and related appurtenances, construction of road between existing housing buildings, and one carport for each unit. Includes an additional $1,067.9K of concurrent repairs. (See Separate DD Form 1391.)	
SPAIN	
NS Rota	3,002.1
Improvements to 162 officer and enlisted units, Phase II. Provides for kitchen and bathroom ceramic wall tile finishes, kitchen base and wall cabinets, range exhaust hoods, bathroom accessories, fixtures, and fluorescent light fixtures in the kitchen and laundry rooms. Includes construction of linen closets, installation of closet doors and shelves, and relocation of electric range power outlets. Includes an additional $3,020.0K of concurrent repairs. (See Separate DD Form 1391.)	

1 COMPONENT MARINE CORPS	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2 DATE June 1989

3 INSTALLATION AND LOCATION Marine Corps Base Camp Pendleton CA	4 PROJECT TITLE Whole House Improvements/Repairs Wire Mountain II

5 PROGRAM ELEMENT	6 CATEGORY CODE 711-30	7 PROJECT NUMBER PE-H-187-R2/ PE-H-138-M2	8 PROJECT COST ($000) $7,130.0

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Improvements	EA	170	$5,006	$ 851.0
Concurrent Repairs and Maintenance	EA	170	$37,112	$6,309.0
TOTAL PROJECT COST (ROUNDED)				$7,130.0
Area Cost Factor = 1.21				

10 DESCRIPTION OF PROPOSED CONSTRUCTION

DESCRIPTION: The work will consist of installing new cabinets, patio enclosures, and reconfiguring the dining and kitchen areas. Repairs will consist of correcting landscape deficiencies; replacing fencing, windows, doors, and screens; replastering; reinsulating; refinishing bathrooms and laundry rooms; replacing plumbing, and lighting; rewiring; repairing walls; interior/exterior painting, and installing a fire protection system.

PURPOSE: This project will provide major repairs to 170 units at Wire Mountain III.

REQUIREMENT: This is required to prevent further deterioration and enhance the living condition of these units.

CURRENT SITUATION: Wire Mountain III was constructed in 1964. It now requires repairs/improvements to prevent further deterioration.

IMPACT IF NOT PROVIDED: Failure to provide necessary repairs will result in further deterioration. Failure to provide improvements will cause occupants to live in units whose configuration is substandard to current day design.

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1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION LONG BEACH, CA		4. PROJECT TITLE IMPROVEMENTS/REPAIRS TO 100 OFFICER AND ENLISTED UNITS	
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711-25	7. PROJECT NUMBER HC-2-84 PHASE II	8. PROJECT COST ($000) $6,764.5

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	100	10,138	1,013.8
CONCURRENT REPAIRS AND MAINTENANCE	EA	100	57,507	5,750.7
	EA	100	67,645	6,764.5
TOTAL REQUEST				6,764.5
Area Cost Factor = 1.19				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide all needed repairs and improvements for 100 officer and enlisted San Pedro family housing units.

11. REQUIREMENTS: IMPROVEMENTS: install gutters, downspouts, splash blocks, and water diverter; install patio cover; provide concrete walk between utility room/garage/backyard; extend patio (two units only); install screen doors; close-off pocket doors; construct pass-thru between kitchen and dining area; install dishwasher; install cabinets in utility room; enclose hot water heater; install new bathroom vanity; install bathroom exhaust fans. CONCURRENT REPAIRS: sandblast and color coat exterior stucco; repair and paint exterior trim; replace front, utility room, sliding glass, garage, and garage service doors; replace exterior outlet with GFCI; replace exterior lights; replace hose bibs and water service valve; complete interior paint-out; replace cove base; replace interior door hardware; replace ceiling insulation; replace kitchen cabinets, stove, range hood, sink, plumbing fixtures, shut-off valves, and lights; repair bath shower pan; replace water closets, faucets, angle stops, valves, and connectors; replace medicine cabinets, mirrors, lights, and vanity; replace outlet with GFCI; replace shower curtain rod, cold water line insulation, and bathroom accessories; repair forced air heating unit; replace thermostats; replace duplex outlet and switches; install GFCI in kitchen; replace electrical service panel and breakers; replace smoke detectors; replace interior lights; remove and replace asbestos ductwork.

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1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION LONG BEACH CA		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC-2-84 PHASE II

CURRENT SITUATION: Units are without gutters, downspouts, or splash blocks; patios are without covers which prevents their year-round use; though used as a walkway, there is no walk between utility room/garage/backyard, which results in mud/dirt being tracked into the unit; units are without screen doors so units are prone to pest infiltration; pocket doors are not used and need to be secured; kitchen configuration is not functional and needs to be modified by installation of a pass-thru and counter with additional storage space; utility rooms have no storage cabinets; units do not have dishwashers; one bathroom does not have a vanity and neither bath has exhaust fans. Exterior stucco is deteriorated, partly resulting from the grading problem; doors, original to the unit, have exceeded their useful life; exterior outlets are not GFCI; exterior lights require replacement and will be changed to fluorescent; VAT is pitted, scored, and mismatched and needs to be replaced; cove base (to be removed to allow for flooring work) will need replacement; ceiling insulation no longer possesses its original thermodynamic properties; metal kitchen cabinets are rusting, mis-aligned, dented, and chipped; stove, range hood, sink plumbing fixtures, shut-off valves, and lights need replacement due to age as well as their being displaced during kitchen work; bath shower pans leak and have caused structural damage to surrounding shower enclosure; water closets, faucets, angle stops, valves and connectors are original and need replacement; medicine cabinets and mirrors are original and suffer from rusting and the existing vanity (only in one bath) shows signs of age and wear and would be inconsistent with new fixtures being installed; the original forced air unit (FAU) is not energy efficient and requires a sufficient amount of repair work to warrant its replacement vice repair; thermostats will need to be replaced in conjunction with FAU replacement; duplex outlets and switches are the victim of twenty-five years of constant use and require replacement; electrical service panel and breakers need some modification to make them safer; smoke detectors (battery operated), which must be removed to accomplish other work, need to be replaced with hard-wired detectors; interior lights are original incandescent fixtures (not energy efficient) and replacements are difficult to find; ductwork contains asbestos which must be replaced.

IMPACT IF NOT PROVIDED: Units will still be considered undesirable due to the lack of amenities expected by occupants of Navy housing. The investment required for these repairs and improvements will result in more useable, functional units and increase occupant satisfaction, while preserving the Navy's investment in these assets.

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S/N 0102 LF 001 3915

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER SAN DIEGO, CA	4. PROJECT TITLE WHOLEHOUSE REPAIRS/IMPROVEMENTS 32 OFFICER AND ENLISTED UNITS

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711-40	7. PROJECT NUMBER HC-27-86 HR-15-86	8. PROJECT COST ($000) $2,171.2

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	32	2,647	84.7
CONCURRENT REPAIRS AND MAINTENANCE	EA	32	65,203	2,086.5
	EA	32	67,850	2,171.2
TOTAL REQUEST				2,171.2
Area Cost Factor = 1.19				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses wholehouse repairs and improvements to 32 officer and enlisted family housing units at Naval Air Station, North Island.

11. REQUIREMENTS: Renovate aged housing units to correct deficiencies and improve quality of life amenities similar to other units. Scope includes redesign of kitchen and bathrooms, replacement of deteriorated electrical wiring system, expansion of heating system, safety handrails, and walkway gates to correct safety hazards. Improvements include tile waincots at tub enclosures, exhaust fans, additional electrical outlets/circuits at kitchen and bath areas to handle appliance loads. Energy efficient interior light fixtures, ductwork insulation and dampers are proposed as energy conservation measures. Concurrent repairs include removal and replacement of windows, bathroom plumbing fixtures and cabinetry, resilient flooring, dry rot damage at exterior eaves and replacement of interior wiring. Repairs and painting of interior wall/ceiling finishes, exterior wood repairs, and colorcoating and painting of stucco and exterior wood will extend life of structure. Redesign of kitchen requires relocation of existing electrical and plumbing fixtures; and replacement of kitchen cabinets/hardware to enhance use and correct safety hazards.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER
SAN DIEGO, CA

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	HC-27-86 HR-15-86

CURRENT SITUATION: Habitability of the housing units is impaired by poorly designed kitchens and bathroom areas. Kitchen/laundry room lighting is inadequate, cabinet and storage areas are insufficient and current layout prevents efficient use of countertops and appliances. Electrical convenience outlets are missing at bathroom locations and existing outlets do not meet current code requirements. The units were constructed in 1933 (2 units were constructed 1940) and the original interior wiring system is both degraded and lacks adequate insulation to prevent potential fire hazards. Lack of electrical circuits typically results in frequent resetting of remote circuit breakers at basement level panels. Occupants must in some cases enter basements through steep exterior stairwells which lack handrails and slip resistant treads. Existing bathroom plumbing fixtures and kitchen cabinets are deteriorated and require increased maintenance expenditures. Kitchen areas possess badly worn resilient flooring/base which is distinguished by cuts, cracking and missing sections. Rolled bases and discontinued patterns prevent repair to existing flooring without obvious aesthetic discontinuity. Occupants often depend on dangerous portable heaters for comfort. Repairs at exterior finishes have been partially accomplished by routine maintenance, however, exposure to moisture and the elements has increased the rate of stucco deterioration. Numerous areas of stucco cracking and spalling are evident which subjects other building components to damage. Lack of water diverters, flashing and closure strips have resulted in the deteriorating of wooden eaves and structural substrate. Painting and proper sealing is required to prevent extensive dry rot and reduce future maintenance expenditures.

IMPACT IF NOT PROVIDED: Further deterioration of exterior finishes will expose additional building components to damage from the elements. The electrical system will continue to provide marginal service with increased maintenance and risk of fire. Occupant dissatisfaction will continue and have a negative impact on the use and enjoyment of their assigned quarters. As a result of existing safety hazards, the possibility of personal injury and damage to the quarters and contents will persist.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER GREAT LAKES, IL	4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS/REPAIRS TO 178 ENLISTED UNITS

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-1-86 PHASE I	8. PROJECT COST ($000) $11,453.5

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	178	43,817	7,799.5
CONCURRENT REPAIRS AND MAINTENANCE	EA	178	20,528	3,654.0
	EA	178	64,345	11,453.5
TOTAL REQUEST				11,453.5
Area Cost Factor = 1.09				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses wholehouse improvements and repairs to 178 enlisted housing units in Halsey Village. Improvements: Provides for finished basements, wired smoke detectors, new suspended ceiling, (in all units), except single family units, central air conditioning, ceiling light fixtures in bedrooms, electrical outlets in bedrooms, ceiling light and outlets in basements, ground fault interrupter electrical receptacles, new garages, patios, storage sheds, privacy fencing, and additional plants. Repairs: Include weatherstripping of all exterior doors, replacement of windows, storm doors, roofing, soffits, roof vents, attic insulation over bedroom and bathroom ceilings, ductwork, ceiling in basement, tubs, tub enclosures, closet doors, tot lots, and replacement of curbs and gutters, and sidewalk.

11. REQUIREMENT: Wholehouse improvements and repairs to improve the living conditions and quality of life of 178 enlisted families at Halsey Village.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER GREAT LAKES, IL		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC-1-86 PHASE II

CURRENT SITUATION: Improvements: Existing smoke detectors are battery operated, they require monitoring for proper operation, weak, dead, or missing batteries. The cathedral type ceiling wastes energy and causes stratification of heated air between the first and second floors. The outlet in the kitchen and dining area partition is improperly located causing extension cords to be used. There is no central air conditioning which other units have. The light fixture in bedroom does not provide adequate lighting for the bedroom or closet. Electric outlets in bedrooms are inadequate in number and location. Light fixtures in kitchens are inadequate and ineffective. Lighting level is not uniform due to the slope of the ceiling, the higher fixture bulb cannot be changed without a ladder. The wall bracket fixture is ineffective and not usable because the location causes a glare. Basements are unfinished, no floor, wall or ceiling finishes are provided. The basement walls are not insulated. Basement electrical wall outlets and fixtures are inadequate in number and location. Ground fault interrupter electrical receptacles are not provided in accordance with the National Electrical Code. Carports or parking stalls provide inadequate protection for severe climatic conditions in this area, the carports are at the end of their useful life and are outdated, they require reroofing and repairs, they do not provide secure or concealed spaces for storage. Patios have not been provided for private outdoor living space. Storage sheds have not been provided for exterior bulk storage. Privacy fencing is needed between patios. Planting is very sparse. Repairs: Weatherstripping for exterior doors are either worn, missing, damaged ineffectively or incorrectly installed. Windows are old, difficult to operate, poorly weatherstripped, permit excessive air infiltration, and do not have thermal-break in the aluminum frame. Storm doors are of poor quality and near the end of their useful life, some are damaged and ill-fitting due to their poor quality and heavy usage. Soffits and fascia boards are damaged, loose, and deteriorated. Soffit vents are inadequate in size and clogged with dirt and paint, no other attic ventilation is provided. Gravel and asphalt roofs are at the end of their useful life. Attic insulation over bedrooms, closets, and halls is inadequate. Ductwork for living/dining and kitchen is properly located and runs below the floor slab, water is infiltrating, and it requires cleaning which is not possible because of its location. Ceiling in basement under the bathroom is damaged due to water leaks and maintenance work. Existing tubs and enclosures are a continual maintenance problem, refinishing of the tubs has not worked, water leaking from the tub edge, drain overflow and ceramic tile has been a constant problem, the repairs have produced an unsightly appearance. The metal closet doors are a constant maintenance problem. Tot lots are in poor condition. Curbs, gutters, and sidewalks are cracked and broken.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER GREAT LAKES, IL		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC-1-86 PHASE I

IMPACT IF NOT PROVIDED: Smoke detector may not operate when needed. Energy will continue to be wasted and the heat will continue to stratify if the ceilings are not lowered. Extension cords will continue to be used if the outlets are not located properly. Window air conditioning units will continue to be used or units will be uncomfortable without them. Some areas of the units will not be well lighted. Basements will continue to be under utilized. A fatal shock may occur without the ground fault interrupter receptacles. Cars and other personal items will be stored outside and not be protected from the weather. The outdoor living spaces will not be attractive nor desired by occupants. If windows and doors are not replaced they will continue to deteriorate, have increasing maintenance costs, and waste more energy. The roofing will continue to deteriorate. Without additional insulation in the attic the units will continue to waste energy and the occupants will not be comfortable. The bathrooms will continue to have high maintenance costs and look unsightly. Children will not have a safe place to play. The curbs, gutters, and sidewalks will continue to deteriorate. This will impact morale.

1 COMPONENT MARINE CORPS	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2 DATE Aug 1989

3 INSTALLATION AND LOCATION Marine Corps Base Camp Lejeune, NC	4 PROJECT TITLE Whole House Improvements/ Repairs

5 PROGRAM ELEMENT	6 CATEGORY CODE 711-85/25/25	7 PROJECT NUMBER LE-H-902-M2 LE-H-902/903-R2	8 PROJECT COST ($000) $16,882.0

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Improvements	EA	435	$ 837	$ 409.0
Concurrent Repairs and Maintenance	EA	435	$37,869	$16,473.0
TOTAL PROJECT COST (ROUNDED)				$16,882.0
Area Cost Factor = 0.92				

10 DESCRIPTION OF PROPOSED CONSTRUCTION

DESCRIPTION: The work will consist of demolishing the entire interior and exterior base. It will provide new electrical wiring, gypsum wall board, plumbing fixtures, ceramic tile, ductwork, wall and ceiling insulation, new doors and trim, floor tile, kitchen cabinets and countertops, fire protection improvements and landscaping.

PURPOSE: Provides whole house repairs to 435 Capehart units.

REQUIREMENT: The quarters are required to provide housing for active duty military personnel and their dependents assigned to MCAS New River. Repairs will include architectural, mechanical, and electrical upgrading to improve the quality of life for military families.

CURRENT SITUATION: These units, constructed in 1958 are in need of renovations to bring the units up to modern day standards. Wiring is not up to code, and plumbing is showing signs of age, wear and tear. There are numerous safety hazards connected with these units.

IMPACT IF NOT PROVIDED: Military families will continued to live in quarters that are deteriorating,causing increased maintenance costs.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION FALLON, NV	4. PROJECT TITLE IMPROVEMENTS/REPAIRS TO ONE INSTALLATION COMMANDER QUARTERS

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-01-85	8. PROJECT COST ($000) $ 74.5

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	1	10,000	10.0
CONCURRENT REPAIRS AND MAINTENANCE	EA	1	64,500	64.5
	EA		74,500	74.5
TOTAL REQUEST				74.5
Area Cost Factor = 1.00				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Improvements and repairs to one installation commander quarters. Provides for additional kitchen cabinets, electrical outlets, conversion of a sunroom into a bathroom, conversion of the present utility room into a storage room. Repairs include replacement of the heating system, water heater, sprinkler system, and exterior window replacement. Repairs to sewer and leach field will also be completed.

11. REQUIREMENT: Improve quality of life amenities for the Installation Commander of NAS Fallon and complete the needed repairs as stated above.

CURRENT SITUATION: Improvements: The utility room is poorly located and provides little room to work on furnace or water heater. Interior storage is very limited resulting in some of the occupant's personal property is being stored in the garage. The kitchen has limited storage capacity. For additional space, occupants normally use closets to store dishes and appliances. The dining room and parts of the entertainment area have no electrical outlets. Electrical power for these areas is provided by use of extension cords. Repairs: Existing heating system is inadequate to heat entire unit. Heat is not ducted into one bedroom and the family room. Furnace is old and in deteriorated condition. Ductwork is rusted and leaking.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION FALLON, NV		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC-01-85

One leach field is located in a flood irrigated pasture which is lower than the lawn area. Irrigation gets into leach lines and renders them inoperable. Existing windows are single pane wood frame units which are in poor condition, do not fit properly and create significant energy loss. Electric water heat is old and very expensive to operate.

IMPACT IF NOT PROVIDED: High utility costs will continue. The health and safety of the military family occupying the unit is in jeopardy from backup of raw sewage if the system is not replaced. Occupant inconvenience will be exacerbated due to insufficient kitchen cabinets, lack of electrical outlets and the absence of privacy afforded by a powder room. Personal property will continue to be stored under unsuitable conditions in the garage.

1 COMPONENT MARINE CORPS	FY 19__9 MILITARY CONSTRUCTION PROJECT DATA	2 DATE June 1989

3 INSTALLATION AND LOCATION Marine Corps Air Station Beaufort SC	4 PROJECT TITLE Whole House Improvements/ Repairs, Phase II

5 PROGRAM ELEMENT	6 CATEGORY CODE 711-25/26/27	7 PROJECT NUMBER BE-H-001-M2 BE-H-001-R2	8 PROJECT COST ($000) $8,925.0

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Improvements	EA	333	$ 1,877	$ 625.0
Concurrent Repairs and Maintenance	EA	333	$24,925	$8,300.0
TOTAL PROJECT COST (ROUNDED)				$8,925.0
Area Cost Factor = 0.93				

10 DESCRIPTION OF PROPOSED CONSTRUCTION

DESCRIPTION: The work will consist of demolishing the entire interior and providing new electrical wiring, gypsum wall board, plumbing fixtures, ceramic tile, ductwork, wall and ceiling insulation, new doors and trim, floor tile, kitchen cabinets and countertops, fire protection improvements and landscaping.

PURPOSE: Provides completion renovation of the interior to 333 housing units.

REQUIREMENT: The quarters are required to provide housing for active duty military personnel and their dependents who are assigned to MCAS Beaufort, MCRD Parris Island and Naval Hospital Beaufort.

CURRENT SITUATION: Units are approximately 30 years old and are suffering from settlement cracks, wiring is not up to code, and plumbing is showing signs of age, wear and tear. There are numerous safety hazards connected with these units.

IMPACT IF NOT PROVIDED: Continued deterioration causing increased maintenance costs.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, BANGOR BREMERTON, WASHINGTON	4. PROJECT TITLE IMPROVEMENTS/REPAIRS TO 100 ENL. UNITS & OTHER REAL PROPERTY

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-02-85 PHASE II	8. PROJECT COST ($000) $6,067.6

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	100	17,710	1,771.0
CONCURRENT REPAIRS AND MAINTENANCE	EA	100	42,966	4,296.6
	EA	100	60,676	6,067.6
TOTAL REQUEST				6,067.6
Area Cost Factor = 1.14				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project consists of wholehouse repairs and improvements to 60 two bedroom single level enlisted family housing units and detached carports and 40 four bedroom townhouse style enlisted family housing units and detached carports at Jackson Park, FY-70 construction, and other real property repairs and improvements to the entire FY-70 construction area of 200 units. Included are improvements to kitchens and bathrooms, installation of new cabinets, dishwashers, countertops, stainless steel wall guards behind stoves, garbage disposals, combination storm/screen doors, bedroom and closet lighting, improved kitchen and bathroom lighting and lowering bathroom ceilings. Concurrent repairs include replacement of wood and vinyl cove base molding, bathroom accessories, range hoods, kitchen and bathroom exhaust fans, stair treads and risers (in four BR units), front entries, carports, exterior storage areas, garbage can storage areas, sliding, privacy fences and replacement of windows, sliding glass and patio doors, reroofing quarters and carports and installation of gutters and downspouts on carports and outside storage areas. Other real property improvements, which will include the entire FY-70 construction area of 200 units, include providing additional off street parking, steps on steep walkways, sidewalks as needed, grading and paving on sides of carports and installation of retaining walls where needed. Other real property repairs in the same are a include repaving the roads, repair of sidewalks damaged by tree roots, replacement of parking bumpers where necessary, and relocation of catch basins.

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1. COMPONENT NAVY	FY 19_91_ MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, BANGOR
BREMERTON, WASHINGTON

4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER HC-02-85 PHASE II

11. REQUIREMENT: Wholehouse architectural, plumbing and electrical improvements and repairs are required to meet current standards and to decrease maintenance and energy costs.

CURRENT SITUATION: Solid core entry doors, exposed to the elements since construction, show severe weathering. Adequate cross-ventilation in warm weather is nearly impossible, as storm/screen doors are not currently provided. Single glazed windows and patio doors are not energy efficient and do not operate freely in their present state.

The 12 foot high bathroom ceilings cannot be cleaned by residents and the 7 foot high exhaust fans cannot ventilate the high area sufficiently. The lack of sufficient ventilation creates excessive moisture and mildew buildup on the bathroom ceilings which increases maintenance. Moisture buildup is also a problem under the roof, because these townhouse units have cathedral ceilings, contain no attic and were constructed without through-roof ventilation.

Because no bedroom lighting is provided, residents are obligated to provide more than the usual amount of table lamps to light these rooms. Further, this phase of construction was built in a heavily wooded area which tends to filter out much of the natural light.

Kitchens are small and inconvenient. The finish on range hoods installed in 1970 shows the effects of abrasive cleanser and have become dented over the years. This phase of construction at Jackson Park contains neither dishwashers nor garbage disposals. Kitchen cabinets and countertops are chipped and stained.

Hardwood parquet flooring in living areas, in most cases, is becoming too thin to be further sanded, and 9 inch vinyl floor tiles can no longer be matched. The floor tile also has unsightly cracks and gaps caused by settling of the buildings. The cove base molding and trim shows wear and tear. These units currently have one full bathroom. Existing formica lavatory vanity shelving is chipped and stained. Medicine cabinet interiors are rusted. Fiberglass tubs have hairline cracks and, in some cases, are chipped and stained. Most bathroom and kitchen exhaust fan bearings are worn causing excessive noise. Floor plan in main bath is a poor use of space and is inconvenient and cumbersome for the occupants.

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1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, BANGOR BREMERTON, WASHINGTON		
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER HC-02-85 PHASE II	

Decking and rails have become weathered, and dryrot is pervasive. Plywood canopy shrouds over upstairs bedroom windows also show signs of dryrot and are extremely weathered. These canopies will be removed rather than repaired to allow more daylight into the rooms. The original construction did not provide for gutters and downspouts for detached carports or outside storage areas. Channeling water away from these buildings is a continual concern. A roof over the back patio with gutters and downspouts will keep blowing rain off the patio and storage area and will allow for better use and less maintenance. Numerous roofs are leaking and maintenance problems on the roofs continue to escalate.

Smoke detectors are battery operated. There is no energy efficient lighting.

Lack of pedestrian walkways promotes cutting access landscaped areas creating unsightly erosion. Grassy areas against the sides of carports are difficult to maintain and promote pest infestation, and the narrow strips of grass serve no purpose. Parking is so limited that many occupants have only one parking space for their use. Lighting is minimal. Asphalt sidewalks are breaking up due to tree roots, parking bumpers are broken in numerous locations and catch basins are poorly located in the middle of pathways. Roads are in need of repaving throughout the area. Rockery and retaining walls are needed in areas too steep to mow. These steep areas are constant eyesores and sources of erosion.

IMPACT IF NOT PROVIDED: These are the only units at Jackson Park without dishwashers and garbage disposals. Without improvements and concurrent repairs to these 100 units, energy waste and high maintenance costs will continue to escalate and the condition of the units will deteriorate at an accelerated rate. Roofs will continue to leak and cause damage to occupants personal property, and the need for unsightly tarps on leaky roofs will increase. Lack of improvements and repairs on the other real property in the FY-70 area of construction (200 units) will escalate erosion, promote accidents and increase unsightliness of the area. Occupant dissatisfaction and demoralization will continue and in all likelihood escalate.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION ROOSEVELT ROADS, PR	4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS/REPAIRS TO 32 ENLISTED UNITS

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-2/3-88	8. PROJECT COST ($000) $1,940.7

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	32	27,275	872.8
CONCURRENT REPAIRS AND MAINTENANCE	EA	32	33,372	1,067.9
	EA	32	60,647	1,940.7
TOTAL REQUEST				1,940.7
Area Cost Factor = 1.16				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide improvements and repairs to 32 Algodones Apartments. This includes the installation of central air conditioning, the construction of carports (one per unit) and an access road between existing Algodones Apartments.

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11. REQUIREMENT: Improve the living conditions at Algodones Apartments.

CURRENT SITUATION: Currently air conditioning is provided by individual window mounted units which are inefficient. Most of these air conditioning units are highly deteriorated and beyond economical repair. These occupants do not have carports to protect their privately owned vehicles from inclement tropical weather conditions nor is there an access road to divert traffic away from the units.

IMPACT IF NOT PROVIDED: Lack of a proper air conditioning system, carports, and access roads at the Algodones Apartments exposes military personnel and their dependents to poor habitability conditions which lowers morale and results in an adverse impact on the mission of the Naval Station and the Navy Personnel Retention Program.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER, ROTA, SPAIN	4. PROJECT TITLE WHOLESITE IMPROVEMENT/REPAIR TO 162 OFFICER AND ENLISTED UNITS

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-01-85 PHASE II	8. PROJECT COST ($000) $6,022.1

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	162	18,531	3,002.1
CONCURRENT REPAIRS AND MAINTENANCE	EA	162	18,642	3,020.0
	EA	162	37,173	6,022.1
TOTAL REQUEST				6,002.1
Area Cost Factor = 0.80				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project is phase II of III phases. Project encompasses wholehouse improvements and repairs to 162 officer and enlisted housing units in the "OLDBASE" housing area. Improvements: provides for kitchen and bathroom ceramic wall tile finishes, kitchen base and wall cabinets, range exhaust hoods, bathroom accessories, fixtures, and fluonescent light fixtures in the kitchen and laundry rooms. Includes construction of linen closets, installation of closet doors and shelves, and relocation of electric range power outlets. Repairs: Include replacement of existing deteriorated, unlevel quarry and cork tile floors withcarpeting and ceramic tile. Replacement of interior doors and hardware. Replacement of furnaces and installation of ductwork will also be completed.

11. REQUIREMENT: Wholehouse Improvements and repairs to improve the living conditions and quality of life of 162 officer and enlisted families.

CURRENT SITUATION: The existing quarry tile floors are old and deteriorated. Various tiles are cracked and worn, and some have sunken and do not match the color of existing tiles. The floors are also stained from gradual buildup of polishing wax and dirt.
The existing cork floor tiles are worn past their protective coatings and are stained and dirty. The tiles ahve been damaged, scratched and indented because of the cork's soft composition. The cork is also very difficult to maintain.
The existing interior doors are the original doors with hardware that is out of current production. The sliding closet door hanging hardware has

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1. COMPONENT NAVY	FY 19_91_ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER, ROTA, SPAIN		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC-01-85 PHASE II

failed and is now sliding directly on the floor tracks. The closets also have a mildew problem that is asociated with poor ventilation of the closed areas.

The existing furnaces have reached their economic life and are now expected to fail at undetermined times. Dependability is greatly reduced and increased maintenance costs can be expected. The furnaces generate a high level of noise and also pose a safety risk due to the emssion of noxious fumes and fire. The fuel lines are also deteriorated and leak causing an unacceptable risk to life and property.

Impact If Not Provided: The floor shall continue to deteriorate and further increase maintenance costs. The doors shall continue to be unsuitable for use and require extensive hardware repairs/replacement. The property damaged due to mildew shall contunue unabated. The furnaces shall continue to be replaced piecemeal as they breakdown or as scheduled maintenance dictates. The hot water heaters shall contunue to run uneconomically and prevent proper use of the service bedroom's bathroom shower.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN

	In Thousands
A&E SERVICES/DESIGN	FY 1990 Program $3,100 FY 1991 Program $6,200

Purpose and Scope

This program provides for working drawings, specifications and estimates, project planning reports and final design drawings of family housing construction projects authorized or not yet authorized. This includes the use of architectural and engineering services in connection with any family housing new or construction improvements.

Program Summary

The amount requested, together with prior year savings, will enable full execution of the construction program. Authorization is requested for appropriation of $6,200,000 to fund new construction and improvement design requirements.

Exhibit FH-6

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES	4. PROJECT TITLE ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN

5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIES	7. PROJECT NUMBER VARIES	8. PROJECT COST ($000) $6,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
A&E SERVICES & CONSTRUCTION DESIGN		--	--	6,200
NEW CONSTRUCTION	L/S	--	--	(1,855)
IMPROVEMENTS	L/S	--	--	(4,345)
TOTAL REQUEST				6,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Funds to be utilized under 10 USC 2807 for architectural and engineering services and construction design in connection with military family housing new construction and construction improvement projects. Evaluation of turnkey design and engineering investigations, such as field surveys and foundation explorations, will be undertaken as necessary.

11. REQUIREMENT: VARIES

All projects in a military family housing construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. Costs for architectural and engineering services, turnkey evaluation, and construction design are not included in the construction project cost estimates.

IMPACT IF NOT PROVIDED: FY 1991, FY 1992 and FY 1993 project execution schedules cannot be met.

SUPPORT

DEPARTMENT OF THE NAVY
FAMILY HOUSING - 1991 BUDGET ESTIMATE
OPERATION AND MAINTENANCE

	($000)
FY 1991 Program	677,627
FY 1990 Program	599,921

Purpose and Scope

a. Operation. This portion of the program provides for expenses in the following sub-accounts:

Management. Includes direct and indirect expenses incident to the administration of the family housing program such as housing office personnel and operations, administrative support, training, travel, programming and studies, and community liaison. All housing referral costs are also included, although the housing referral program assists personnel in locating housing in the private community, and is not related to the operation or management of military family housing units.

Services. Includes direct and indirect expenses incident to providing basic support services such as refuse collection and disposal, fire and police protection, pest control, custodial services for common areas, snow removal. and street cleaning.

Furnishings. Includes the procurement for initial issue or replacement of household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

Miscellaneous. Includes work or services peformed for the benefit of family housing occupants, including mobile home hook-ups and disconnections, for which reimbursement will be received; payments to the U. S. Coast Guard for Navy occupancy of Coast Guard housing; and United Kingdom accommodation charges.

b. Utilities. Includes all utility services provided to family housing, such as electricity, gas, fuel oil, water and sewage. Excludes telephone services.

c. Maintenance. This portion of the program supports the upkeep of family housing real property, as follows:

Maintenance/Repair of Dwelling. Includes service calls, change of occupancy rehabilitation, routine maintenance, preventative maintenance, interior and exterior painting, and major repairs.

Other Real Property. Includes maintenance, repair and replacement of electrical, gas, water, sewage and other utility distribution systems located within family housing areas, and the portion of activity utility rates attributable to distribution system maintenance when separately identified. Also includes maintenance and repair of any other family housing real property, such as grounds, surfaced areas and family housing community facilities.

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Alterations and Additions. Includes minor incidental improvements to dwellings or other real property performed under the authority of 10 USC 2805. Larger scope or higher dollar value items are funded in the construction program.

Program Summary

Authorization is requested for an appropriation of $665,527,000. This amount, together with estimated reimbursements of $12,100,000 will fund the Fiscal Year 1991 program of $667,627,000.

A summary of the funding program for Fiscal Year 1991 follows (in thousands):

	Appropriation Request					
	Operations	Utilities	Maintenance	Total	Reimbursements	Total Program
Navy	$ 96,112	145,449	306,237	547,798	10,400	558,198
Marine Corps	$ 17,768	35,161	64,800	117,729	1,700	119,429
Total DON	$113,880	180,610	371,037	665,527	12,100	667,627

JUSTIFICATION:

The Department of Navy family housing budget requests the minimum essential resources needed to provide military families with adequate housing either through the private community or in government quarters. Navy and Marine Corps installations are generally located in the high cost, coastal areas. Accordingly, the overinflated cost of adequate housing in these areas causes many of our military families to reside in facilities that lack even the minimal amenities expected in a home. Therefore, increased emphasis is being placed on the proper funding of the family housing Operations and Maintenance program.

The Fiscal Year 1991 estimated program was formulated utilizing the Office of Management and Budget's published inflationary factors and foreign currency exchange rates.

SUMMARY
DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
OPERATION AND MAINTENANCE

(Excludes Leased Units and Costs)

	FY 1990 Enacted	FY 1991 Estimate
A. Workload Data		
1. Inventory Data		
Average Inventory for Year Requiring O&M Funding:		
a. Conterminous U.S.	78,663	80,528
b. U.S. Overseas	5,981	5,981
c. Foreign	7,865	8,020
d. Worldwide	92,509	94,529

	FY 1990 Enacted		FY 1991 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements				
1. Operations				
a. Management	51,018	551	53,306	564
b. Services	35,367	382	37,140	393
c. Furnishings	18,688	202	22,609	239
d. Miscellaneous	787	9	825	9
Subtotal - Operations	105,860	1,144	113,880	1,205
2. Utilities	176,096	1,904	180,610	1,911
3. Maintenance				
a. Maint. & Repair of Dwellings	250,781	2,711	313,713	3,319
b. Maint. & Repair of Other Real Property	41,313	447	47,533	503
c. Alts. & Addns.	7,954	86	9,791	104
Subtotal - Maintenance	300,048	3,243	371,037	3,925
4. Total, O&M Expenses (TOA)	582,004	6,291	665,527	7,040
5. Appropriation	582,004	6,291	665,527	7,040
6. Reimbursements	11,917	129	12,093	128
7. Total Program	593,921	6,420	677,620	7,168

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
OPERATION AND MAINTENANCE
NAVY

(Excludes Leased Units and Costs)

	FY 1990 Enacted	FY 1991 Estimate
A. Workload Data		
1. Inventory Data		
Average Inventory for Year Requiring O&M Funding:		
a. Conterminous U.S.	57,165	58,530
b. U.S. Overseas	5,981	5,981
c. Foreign	7,409	7,551
d. Worldwide	70,555	72,062

	FY 1990 Enacted		FY 1991 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements				
1. Operations				
a. Management	43,106	611	45,184	627
b. Services	28,263	401	29,796	413
c. Furnishings	16,360	232	20,307	282
d. Miscellaneous	787	11	825	11
Subtotal - Operations	88,516	1,255	96,112	1,334
2. Utilities	140,633	1,993	145,449	2,018
3. Maintenance				
a. Maint. & Repair of Dwellings	206,313	2,924	256,080	3,554
b. Maint. & Repair of Other Real Property	34,799	493	41,166	571
c. Alts. & Addns.	7,454	106	8,991	125
Subtotal - Maintenance	248,566	3,523	306,237	4,250
4. Total, O&M Expenses (TOA)	477,715	6,771	547,798	7,602
5. Appropriation	477,715	6,771	547,798	7,602
6. Reimbursements	10,267	146	10,393	144
7. Total Program	487,982	6,916	558,191	7,746

DEPARTMENT OF THE NAVY

OPERATION AND MAINTENANCE
MARINE CORPS

(Excludes Leased Units and Costs)

	FY 1990 Estimate	FY 1991 Estimate
A. Workload Data		
1. Inventory Data Average Inventory for Year Requiring O&M Funding:		
a. Continental U.S.	21,498	21,998
b. U.S. Overseas	0	0
c. Foreign	456	469
d. Worldwide	21,954	22,467

	FY 1990 Enacted		FY 1991 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements				
1. Operations				
a. Management	7,912	360	8,122	362
b. Services	7,104	324	7,344	327
c. Furnishings	2,328	106	2,302	102
c. Miscellaneous	0	0	0	0
Subtotal - Operations	17,344	790	17,768	791
2. Utilities	35,463	1,615	35,161	1,565
3. Maintenance				
a. Maint & Repair of Dwellings	44,468	2,026	57,633	2,565
b. Maint & Repair of Other Real Property	6,514	297	6,367	283
c. Alterations and Additions	500	23	800	36
Subtotal - Maintenance	51,482	2,345	64,800	2,884
4. Total, O&M Expenses (TOA)	104,289	4,750	117,729	5,240
5. Appropriation	104,289	4,750	117,729	5,240
6. Reimbursements	1,650	75	1,700	76
7. Total Program	105,939	4,825	119,429	5,316

TE: UNIT COSTS MAY NOT ADD DUE TO ROUNDING.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - 1991 BUDGET ESTIMATE
JUSTIFICATION
NAVY

OPERATING EXPENSES

FY 1990	FY 1991
$88,516,000	$96,112,000

The FY 1991 estimated program represents the Navy Family Housing requirements using Office of Management and Budget inflation factors and foreign currency exchange rates. Reconciliation of estimates is provided for each program element as follows:

MANAGEMENT

FY 1990	FY 1991
$43,106,000	$45,184,000

Requirements and adjustments as follows:

	($M)
FY 1989 Actual	38.0
Civilian personnel compensation	.9
Price increases	1.0
ADP procurement	.6
Implementation of Relocation Assistance program	2.1
Enhancement of Housing Referral Service	.5
FY 1990 Estimate	43.1
Civilian personnel compensation	.9
Price increase	.5
Foreign Currency Repricing	.7
FY 1991 Estimate	45.2

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT. Funding adjustments are proposed in the Family Housing Management Account for pay supplemental increases, and management of programs to acquire additional housing assets.

SERVICES

FY 1990	FY 1991
$28,263,000	$29,796,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	25.5
Annualized Foreign National Indirect hire pay increase	.1
New units on line	.9
Indirect support for fire and police	.9
Price increases	.9
FY 1990 Estimate	28.3
Price increases	.8
Indirect support for fire and police	.5
New units coming on line	.2
FY 1991 Estimate	29.8

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT. The services account proposes an increase using approved inflationary factors. Program increases are cost associated with providing fire and police protection, pest control, street cleaning, snow removal and refuse collection, and new units coming on line.

FURNISHINGS

FY 1990	FY 1991
$16,360,000	$20,307,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	14.0
Civilian personnel compensation	.1
Price increase	.3
Equipment for 538 Units provided by GOJ	.9
Expanded overseas loaner furnishings	1.1
FY 1990 Estimate	16.4
Price increases	.6
Expanded overseas loaner furnishings program	3.9
Purchase of Equipment for 177 GOJ units	.3
Program decrease for GOJ 538 units	(.9)
FY 1991 Estimate	20.3

RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT. The proposed FY 1991 Furnishings Account Program increases include costs associated with the expanded overseas loaner furniture program which is designed to upgrade the overseas furnishings program, and will allow Navy families residing overseas the basic amenities found in U.S. homes and which are already provided by the Army and Air Force. The Navy relies primarily on the local community for housing Navy families. Local community homes outside the U.S. generally lack adequate stoves, refrigerators, kitchen cabinets, closets, and heating systems. This program will allow for the procurement of stoves, refrigerators, and portable heaters wired for foreign electrical standards, as well as portable wardrobes and cabinets. These items will be made available to Navy families for the duration of their tour, thus increasing the livability of off base units and eliminating the cost of procuring these items to the military member. In addition, the expanded furnishings program will allow for replacement of furniture loaned to families arriving in overseas locations while their household goods are in transit (normal shipping time ranges from 3-6 months.) Much of the furniture the Navy owns was purchased or acquired as war surplus during the early 1940's and has exceeded its useful life. The Army and Air Force have replaced most of their loaner furniture that was in a similar condition.

MISCELLANEOUS

FY 1990	FY 1991
$787,000	$825,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	.4
U.K. accommodations charge for 102 family housing units received from RAF At Hendon, England	.1
Land lease charge, Harold E. Holt	.1
Reimbursement for 95 Coast Guard units at Otis AFB	.2
FY 1990 Estimate	.8
FY 1991 Estimate	.8

RATIONALE FOR CHANGES IN THE MISCELLANEOUS ACCOUNT. No program or price changes required in FY 1991.

UTILITIES

Requirements and adjustments are as follows:

FY 1990	FY 1991
$140,633,000	$145,449,000

	($M)
FY 1989 Actual	134.7
New units coming on line	2.2
Price increases	3.7
FY 1990 Estimate	140.6
Price increase	2.6
Utilities for new units coming on line	2.2
FY 1991 Estimate	145.4

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT. The utilities account proposes an increase for industrial rate adjustments and price increases. Program increases are for costs associated with providing electricity, heat, water, and sewage for newly acquired or constructed units. The Navy Family Housing Program continues to stress energy conservation through public information campaigns and execution of cost effective energy conservation improvement projects.

MAINTENANCE EXPENSES

FY 1990	FY 1991
$248,566,000	$306,237,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	204.9
Price increases	7.1
Reduce the backlog of maintenance and repair	33.8
Radon abatement repairs	2.8
FY 1990 Estimate	248.6
Price increases	8.6
Reduce the backlog of maintenance and repair	49.0
FY 1991 Estimate	306.2

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT. Program increases in FY 1991 are for costs associated with reducing the backlog of deferred maintenance in family housing units. Repair funds have been grossly underfunded since FY 1984 and in spite of that, repair projects scheduled for execution have been deferred to offset the reductions taken in the operations and utilities accounts. Deterioration of family housing assets has continued unabated. Mandatory maintenance such as roof repairs, replacement of worn out HVAC systems and electrical and plumbing lines, can no longer be deferred. Additional increases are for maintaining the present level of occupant service calls, change of occupancy rehabilitation, routine maintenance, painting, and for expanded preventive maintenance programs. We are continuing the repair phase of mitigating high concentrations of RADON gas detected in family housing units. The maintenance account also reflects $1.798M for quarters cleaning of 8,176 units overseas at an avarage cost of $220 per unit.

REIMBURSABLE AUTHORITY

FY 1990	FY 1991
$10,267,000	$10,400,000

	($M)
FY 1989 Actual	7.2
Price increase	.2
Revised estimate of collections	2.9
FY 1990 Estimate	10.3
Price increase	.1
FY 1991 Estimate	10.4

RATIONALE FOR CHANGES IN THE REIMBURSABLE ACCOUNT. The reimbursable account reflects an increase for involuntary collections for damages to government quarters

MARINE CORPS
JUSTIFICATION

OPERATING EXPENSES

FY 1990	FY 1991
$17,344,000	$17,768,000

The FY 1991 estimated program represents the Marine Corps family housing requirements using Office of Management and Budget inflation factors and foreign currency exchange rates.

A reconciliation of estimates is provided for each program element as follows:

MANAGEMENT

FY 1990	FY 1991
$7,912,000	$8,122,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actuals	7.6
Increased staffing for new units on line	.3
FY 1990 Estimate	7.9
Program increase for new units on line	.1
Civilian pay compensation	.1
FY 1991 Estimate	8.1

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT: The Management account provides for direct and indirect expenses in managing the family housing program such as personnel payroll, pay increases, administrative support, housing referral, community liaison, and training and travel associated with the Real Property Maintenance/Family Housing System (RPM/FHS) computer initiative.

SERVICES

FY 1990	FY 1991
$7,104,000	$7,344,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	6.7
Projected audit cost savings	(.2)
Civilian personnel compensation	.3
Price increase	.3
FY 1990 Estimate	7.1
Civilian personnel compensation	.1
Price increase for indirect support costs for new units on line	.1
FY 1991 Estimate	7.3

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT: The amount budgeted will allow for the provision of services to all family housing units to include newly acquired units and any expected price increases.

FURNISHINGS

FY 1990	FY 1991
$2,328,000	$2,302,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	2.1
Foreign currency fluctuation	.2
Projected audit cost savings	(.2)
Program increase	.2
FY 1990 Estimate	2.3
New units on line	.1
New foreign currency exchange	(.1)
FY 1991 Estimate	2.3

RATIONALE FOR CHANGES TO THE FURNISHINGS ACCOUNT: The Furnishings account request reflects a program decrease based on the acquisition of new units and for replacement of furniture and movable equipment (stoves, refrigerators, etc.). The funds requested will enable a consistent program level of maintenance and replacement of the existing inventory.

UTILITIES

FY 1990	FY 1991
$35,463,000	$35,161,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	32.2
New units on line	1.1
Program increase	.9
Foreign currency fluctuation	.2
Price increases	.7
Allowable inflation	.4
FY 1990 Estimate	35.5
Price increase	.3
New units on line	.9
Program decrease for reduced energy consumption	(1.3)
New foreign currency exchange	(.2)
FY 1991 Estimate	35.2

RATIONALE FOR CHANGES TO THE UTILITIES ACCOUNT: Family housing utilities are priced by known rates or, in accordance with OSD/OMB pricing guidance. Energy conservation is stressed. Program increases are for costs associated with providing electricity, heat, water, and sewage for newly acquired units from the FY89 rehab program and constructed units in the FY88 program. The level of funding requested will provide the support required to include the increase of units to the existing inventory.

MAINTENANCE EXPENSES

FY 1990	FY 1991
$51,482,000	$64,800,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actuals	54.2
Program decrease	(2.1)
Projected audit cost savings	(.4)
Congressional action for contract cleaning	(.2)
FY 1990 Estimate	51.5
Program increase for reduction of maintenance repair and escalating backlog	9.5
Purchase inflation	2.9
Program increase for new units	.6
Civilian personnel compensation	.2
Price increase	.3
New foreign currency exchange	(.2)
FY 1991 Estimate	64.8

RATIONALE FOR CHANGES TO THE MAINTENANCE ACCOUNT: The Maintenance account provides for recurring maintenance consisting of service calls for emergency and temporary repairs, routine and preventive maintenance, change of occupancy maintenance, interior and exterior painting, maintenance of exterior utilities, and maintenance of other real property, such as grounds, roads, and community buildings. The account also provides for major repairs that will restore the facility to such condition that it may be effectively used for its designated purpose. This includes the replacement of parts or materials which have deteriorated and have not been corrected through maintenance. The request includes Phase III of a major rehabilitation project at MCAS Beaufort, South Carolina.

The FY 1989 Actuals include $310.2 thousand for quarters cleaning of 2,120 at an average of $146 per unit. The FY 1990 Estimate includes $255.3 thousand for the cleaning of 1,990 units at an average of $128 per unit. The FY 1991 program includes $59,000 for contract cleaning of 268 units at MCAS Iwakuni JA at an average of $220 per unit.

The FY 1991 requirements have been developed using historical data for recurring maintenance and for major repair projects identified for the FY 1990 program. The projected deferred maintenance will remain at a high level after the proposed FY 1990 funding has been executed. The deferred maintenance level will continue to increase if the major repair program is not increased. If this trend continues, progress made in the past years to improve the quality of life for our military families will be negated.

REIMBURSEMENTS

FY 1990	FY 1991
$1,650,000	$1,700,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actuals	1.0
Increased collections for mobile home units	.5
Price increase	.2
FY 1990 Estimate	1.7
FY 1991 Estimate	1.7

RATIONALE FOR CHANGES TO THE REIMBURSABLE ACCOUNT: The FY 1991 estimate reflects a level program.

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DEPARTMENT OF THE NAVY
FY 1991 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ'S)
WHERE ANTICIPATED MAINTENANCE AND REPAIR
WILL EXCEED $25,000 PER UNIT

This information is provided in accordance with the reporting requirement established by the Conference Appropriations Committee Report dated 21 December 1987. The information provides the details for those GFOQ's where the maintenance and repair obligations in FY 1991 are expected to exceed $25,000 per unit. Operations include the prorated costs for management of family housing, services such as fire and police protection, refuse collection, entomology and snow removal, and furnishings. Utilities include applicable costs for energy (electricity, gas, fuel oil, steam, and geothermal), water and sewerage. Maintenance and repairs include recurring work such as service calls, preventative maintenance, and routine change of occupancy work, and major repairs. This includes all operation and maintenance costs to the dwelling unit, appurtenant structures and other related area and facilities intended for the use of the general or flag officer.

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INSIDE THE UNITED STATES

CALIFORNIA

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
NPGS Monterey	A Lake Drive	900	3,900	68,000	(0)	72,800	0

Operations consist of management, services and furnishings. Maintenance and repairs include routine maintenance and major rehabilitation project. The completion of the work proposed within the rehabilitation scope will remove existing asbestos insulation and contaminated soil. The antiquated steam heat system will be replaced with a gas fired heating system including boiler, pumps, piping, wiring and controls.

PWC San Diego	A, NASNI	3,000	6,200	35,500	(0)	44,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, change of occupancy work, minor repairs, and partial interior painting. Major repairs include replacing deteriorated kitchen cabinets, counter tops, and range hood and correcting inefficient electrical service.

PWC San Diego	A, NSC	2,400	5,200	70,500	(0)	78,100	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, change of occupancy work, and major repair. Work will include replacement of windows and frames; painting of wood window trim; replacement of basement doors and curbs; and replacement of front and rear wood porch decks.

PWC San Diego	D NTS	1,900	4,900	55,900	(0)	62,700	0

Operations consist of management, services, and furnishing. Maintenance and repairs include routine maintenance, change of occupancy work, grounds and major repair. Major repair includes exterior repairs, wet sandblasting, stucco color coating surfaces and painting trim.

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STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
			INSIDE THE UNITED STATES				
PWC San Francisco	1 Whiting Way	2,500	4,100	29,000	(0)	35,600	0

Operations consist of management, services, and furnishings (carpet cleaning). Maintenance and repairs include routine maintenance. Budget includes, within the M&R dwelling category, $23,000 for repair of the quarters and surface preparation and complete exterior painting which was last accomplished in 1983. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasted surfaces will receive sanding, a primer coat, and two finish coats of exterior paint. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
PWC San Francisco	2 Whiting Way	1,500	4,200	28,000	(0)	33,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1984. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasted surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of $23,800. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

DISTRICT OF COLUMBIA

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
NAVDISTWASH	B, WNY	11,400	6,900	358,200	(249,400)	376,500	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and a one-time major structural, mechanical, and electrical rehabilitation of these quarters situated in the historic district of the Washington Navy Yard. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the

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Government's operation and maintenance cost, and permit continued safe, cost effective occupancy of the quarters for another fifty years without a similar major rehabilitation project.

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
NAVDISTWASH	D, WNY	8,600	4,200	387,700	(175,000)	400,500	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and a one-time major structural, mechanical, and electrical rehabilitation of these quarters situated in the historic district of the Washington Navy Yard. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the Government's operation and maintenance cost, and permit continued safe, cost effective occupancy of the quarters for another fifty years without a similar major rehabilitation project.

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
NAVDISTWASH	E, WNY	6,600	5,200	451,500	(248,000)	463,300	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and a one-time major structural, mechanical, and electrical rehabilitation of these quarters situated in the historic district of the Washington Navy Yard. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the Government's operation and maintenance cost, and permit continued safe, cost effective occupancy of the quarters for another fifty years without a similar major rehabilitation project.

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STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
			INSIDE THE UNITED STATES				
NAVDISTWASH	N, WNY	5,300	3,200	265,000	(120,000)	273,500	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and a one-time major structural, mechanical, and electrical rehabilitation of these quarters situated in the historic district of the Washington Navy Yard. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the Government's operation and maintenance cost, and permit continued safe, cost effective occupancy of the quarters for another fifty years without a similar major rehabilitation project.

NAVDISTWASH	V, WNY	7,500	5,800	419,600	(266,900)	432,900	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and a one-time major structural, mechanical, and electrical rehabilitation of these quarters situated in the historic district of the Washington Navy Yard. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes and will update obsolete and inefficient mechanical and electrical systems. Completion of the work will reduce the Government's operation and maintenance cost, and permit continued safe, cost effective occupancy of the quarters for another fifty years without a similar major rehabilitation project.

FLORIDA

NAS Jacksonville	A	1,500	3,400	53,700	(0)	58,600	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major repairs to the quarters that will replace all windows and install vinyl siding to prevent damage to wood and additional exterior painting.

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INSIDE THE UNITED STATES

NAS Jacksonville	D	1,500	2,300	43,900	(0)	47,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major repairs to the quarters that will replace all windows and install vinyl siding to prevent damage to wood and additional exterior painting.

PWC Pensacola	A	1,800	8,400	40,000	(20,400)	50,200	0

Operations consist of management, services, and furnishings. Maintenance and repairs include service calls, routine maintenance, maintenance for surface preparation, repair of rotten wood and complete exterior painting of the quarters.

PWC Pensacola	4	5,300	7,500	25,900	(1,000)	38,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, change of occupancy maintenance and repairs. Change of occupancy maintenance will include interior painting, and floor refinishing. Major repairs to be accomplished during change of occupancy are repairs to two baths which include replacing the lavatory, bathtub and shower liner, removing masonite wall covering, installing ceramic wall tile, and replacing flooring.

ILLINOIS

PWC Great Lakes	A	2,800	9,400	35,500	(28,400)	47,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include service calls, routine maintenance, and change of occupancy maintenance. Change of occupancy maintenance includes electrical, plumbing, and heating system repairs, repairs to plaster walls and ceilings, complete painting of the interior, and carpentry repairs.

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INSIDE THE UNITED STATES

LOUISIANA

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
NAVSUPPACT New Orleans	A 101 Carmick	1,700	6,500	45,500	(0)	53,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1982. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasting surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of $40,000. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
NAVSUPPACT New Orleans	C 104 Constitution	1,700	4,800	39,400	(0)	45,900	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1979. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasting surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of $36,000. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
NAVSUPPACT New Orleans	D 112 Constitution	2,000	5,000	45,500	(0)	52,500	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1984. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasting surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of $36,000. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

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STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
NAVSUPPACT New Orleans	E 102 Constitution	2,000	6,200	48,600	(0)	56,800	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1979. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasting surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of $38,000. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

MARYLAND

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
USNA Annapolis	1 Buchanan	10,000	19,400	62,800	(43,000)	92,200	0

This Special Command quarters, listed on the National Register of Historic Places, is the residence of the Superintendent, United States Naval Academy. Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance. Work will include the following: Repairs to walls and ceilings 1st, 3rd, and 4th floor bedrooms. Drywall over top of plaster which will eliminate a lead paint safety hazard. Replace molding and trim. Stripping of existing paint creates lead based hazardous waste and therefore not cost effective. Refinishing floors (5,160 sq ft). Repairs to doors, windows, and basement. Miscellaneous repairs to electrical system. Repair and store awnings, wash exterior windows, clean gutters and downspouts. Interior and exterior painting.

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OUTSIDE THE UNITED STATES

JAPAN

PWC Yokosuka	17 Halsey	1,600	8,800	40,600	(0)	51,000	0

Operations consist of management, services and furnishings. Maintenance and repairs will encompass repairs to the basement bath and water closet rooms of flag quarters for Commander U. S. Naval Forces Japan. Shower stalls, bathtubs, water closets, and lavatories are unsightly due to age. Mineral deposits have caused stains which cannot be cleaned. Medicine cabinets are are worn out and no longer serve purpose. Bath fixtures and accessories are corroded and floor coverings are chipped and hard from normal wear and tear. Walls are blistering and flaking. Entry doors, radiators and ceilings are deteriorated. Plumbing pipes are rusty, electrical wiring is inadequate, and lighting is dim.

PWC Yokosuka	18 Halsey	1,600	12,300	47,400	(0)	61,300	0

Operations consist of management, services, and furnishings. Maintenance and repairs will provide for the replacement of the steam heating system and water lines throughout the quarters. Heating system is almost 40 years old, inefficient, and in need of replacement due to deterioration. Repairs necessitated by numerous trouble calls have only served as temporary stop-gap measures. Water lines are calcified, causing low water pressure and discolored water that is both distasteful and a problem for acceptable laundry results.

MARIANAS

PWC Guam	4 Flag Circle	7,800	7,100	43,800	(0)	58,700	0

Operations consist of management, services and furnishings. Maintenance and repairs will provide for roof replacement. Work will provide for the replacement of the asphalt shingles and felt, approximately 50% of the plywood roof sheathing and facia. Work includes painting, clean-up and debris disposal. Quarters No. 4 is a 43-year old, one-story building of conventional wood construction. The existing roofing system is deteriorated due to age and exposure to the adverse environment. The roof shingles are splitting and have dry rot beyond economical repairs. Rain water leaks through the roofing system causing substantial damage to the existing plywood roof deck.

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			OUTSIDE THE UNITED STATES				
UNITED KINGDOM							
COMNAVACT	Romany House	6,500	10,000	302,600	(0)	319,100	0

This is the residence of the Deputy Commander in Chief, United States Naval Forces Europe. Operations consist of management, services and furnishings. Maintenance and repairs will provide for accomplishment of a major repair project to repair and replace bathroom basins, commodes, baths and fittings; replace wall tiles; repair all cabinets; repair ceiling and wall cracks; plaster and paint throughout; repair and paint interior and exterior windows and wood frames; repair interior and exterior doors, locks, etc; repair by replacement of the heating and hot water system which is 25 years old; repair boiler room, paint oil tank and pipework and install oil catchment; make electrical repairs throughout. Other exterior work includes repairs to stucco, eaves, facia, soffits, roof and surface water drainage, gutters and fences.

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INSIDE THE UNITED STATES

CALIFORNIA

MCLB BARSTOW	1	3,000	4,000	48,500	(0)	55,500	0

Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, service calls, and replacement of fencing.

DISTRICT OF COLUMBIA

Mar Bks, 8th & I	6 (CMC House)	7,535	14,415	360,800	(300,800)	382,750	0

This is Phase II of a five year maintenance plan approved in 1987. The request includes the cost for Operations (management, services, and furnishings). Maintenance and repair includes routine recurring maintenance, interior painting, exterior painting, replacing boiler, refinishing interior wood trim, replacing cracked/decaying plaster walls, and replacing the cooling tower to the air conditioning.

Congress authorized $437,272 between 1987 and 1988 for the first phase of the five year maintenance plan. Phase I accomplished the most urgent heating, air conditioning and plumbing systems work as well as asbestos removal. Phase II will accomplish the remaining work essential for maintaining these quarters to an adequate standard.

VIRGINIA

MCCDC QUANTICO	12	5,000	3,800	86,255	(0)	95,055	0

Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, and mechanical and electrical repairs to include: repair/replacement of plumbing, repair/replacement and upgrade of the electrical system, replacement of the heating system, replacement of windows, doors and trim, refinishing wood floors, and exterior painting and caulking.

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NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
ALASKA		
NAS Adak	51,301	4,206.7
Repairs to 82 units to include: Replace kitchen countertops, sinks disposals, range hoods, flooring, bathroom exhaust fans, and switches, all interior doors and hardware, garage doors, window vent screens, siding, soffits, and electrical switches. Repair bathroom fixtures, accessories, minor tub and shower leaks, and repair/refinish kitchen cabinets. Concurrent improvements are proposed at a cost of $2,911,300 which include blown insulation into the attic spaces, partitioning of the garage and laundry areas to obtain a more secure storage area, installation of a fire life safety window in each master bedroom, bathroom vanities, tub enclosures, exhaust fans, ground fault interrupter receptacles, new medicine cabinets, energy efficient lighting, weatherstripping on exterior doors and setback thermostats. Includes installation of weather alcoves, gutters and downspouts, additional off-street parking and construction of dumpster pads.		
CALIFORNIA		
NAVSTA Long Beach	57,507	5,750.7
Repairs to 100 units to include: Replace garage doors, sliding glass, ground fault interrupter receptacles, exterior lights, hose bibs, vinyl tile, water service valve, interior doors, ceiling insulation, kitchen cabinets, stoves, range hoods, sinks, plumbing fixtures, shut off valves, shower curtain rods, cold water line insulation, smoke detectors, interior lights, water closets, faucets, angle stops, valves, medicine cabinets, mirrors, and lights. Repair stucco, bath shower fan, and exterior trim. Paint interior and exterior of units. Remove		

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE	
	UNIT COST ($)	TOTAL ($000)
INSIDE THE UNITED STATES		
NAVSTA Long Beach (Continued) asbestos. Concurrent improvements are proposed at a cost of $1,013,800 which include screen doors, dishwashers, cabinets in utility rooms, hot water heaters, bathroom vanities and exhaust fans. Includes gutters and downspouts, splash blocks, water diverters, patio covers, and a concrete walkway between utility rooms, garages and backyards.		
NAVPGSCOL Monterey Repairs to 13 units to include: Replace 65 year old steam heating system; remove asbestos pipe insulation, pipes, and heating tank insulation; encapsulate asbestos containing soil in crawl spaces with one and one-half inch of concrete.	46,124	599.4
PMTC Point Mugu Repairs to 50 units to include: Replace kitchen cabinets, sinks and counter tops, kitchen/utility room floors, medicine cabinets, lavatories, tubs, faucets, toilet seats, and furnace; repair/replace gutters and downspouts; replace interior plumbing and pipes, lighting fixtures and rewire. Concurrent improvements at a cost of $974,000 which include installing dishwashers, additional cabinets, bath exhaust fans and tub enclosures. Relocate furnace and hot water heater; install setback thermostats; redesign wall to improve ventilation; install GFI receptacles in kitchens and baths.	18,400	922.0
PWC San Diego Repairs to one installation commander quarters (A, NOSC): Replace windows; water piping and drainage system; kitchen and pantry cabinets; bathroom plumbing and vanities. Replace electrical power panel, new circuitry receptacles, fixtures and increase amperage.	84,100	84.1

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	TOTAL ($000)
INSIDE THE UNITED STATES		
PWC San Diego Repairs to one installation commander quarters (146 S. Sylvester): Includes repair by replacement of all exterior windows, repairs during change of occupancy, and interior painting.	28,000	28.0
PWC San Diego Repairs to 32 units to include: Replace windows and frames; kitchen cabinets; bath plumbing; fixtures and vanities; interior electrical wiring; and heating system registers. Repair exterior wood and refinish flooring; interior and exterior painting. Concurrent improvements are proposed at a cost of $84,700 which include exhaust fans; additional electrical outlets in kitchens and bathrooms, exterior gates; handrails and vent screens; ceramic tile wainscot in baths; energy efficient interior light fixtures; and ductwork insulation.	65,203	2,086.5
PWC San Francisco Repairs to one installation commander quarters (2 Whiting Way): Includes surface preparation and complete exterior painting of the quarters.	26,800	26.8
PWC San Francisco Repairs to one installation commander quarters (62 MaCalla): Maintenance and repair work which is scheduled during change of occupancy, exterior painting, refinishing hardwood floors, minor structural repairs, interior painting, and miscellaneous routine change of occupancy maintenance.	24,000	24.0

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT		5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE	
	UNIT COST ($)	TOTAL ($000)
INSIDE THE UNITED STATES		
CONNECTICUT		
NAVSUBASE New London Repairs to 40 units to include: Replace asphalt paving, windows, fascia, soffits, roofing, exterior doors, interior door hardware, kitchen cabinets, counter tops, sinks, fintube baseboard heat convectors, boilers, water heater, oil tank, and bathroom fixtures; hanging doors and laundry chutes; repair concrete retaining walls, closet shelves. Concurrent improvements at a cost of $256,000 are also proposed to include the provision of bathroom exhaust fans and vents, tub enclosures, dishwashers, ducted range hoods, additional wall receptacles, electric wired smoke detectors, court yards, play areas, and landscaping.	30,337	1,213.5
NAVSUBASE New London Repairs to 70 units to include: Replace asphalt paving, reset granite curbing and replace catch basin inlets with larger size; replace roadway drainage, concrete steps, signs and posts, replace flat roofs with pitched roofs and fiberglass shingles including maintenance free trim; replace windows, and crawl space vents; resurface walls and ceiling with new wallboard and vinyl base; replace shelves, exterior doors and frames, radiators with fintube convectors, bathtubs, lavatory, water closet, and hose bibs. Concurrent improvements are proposed at a cost of $382,000 to include the provision of additional parking spaces, dishwashers, garage disposals, range hoods, additional electric receptacles, lights in closets and electric wired smoke detectors.	22,200	1,553.6

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS,
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4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
NAVSUBASE New London Repairs to five unit to include: Replace wood windows, baseboard heat elements, boiler, oil tank, bathroom fixtures, water heater, electric service entrance and panel board, wall switchers and range hood. Four units require extensive roof repairs. Site repairs include resurfacing roads, replacing curbs, sidewalks and repairs to catch basins.	48,920	244.6
FLORIDA		
NAS Jacksonville Repairs to one installation commander quarters (Quarters K): Repair by installing vinyl siding and eaves and replacing all exterior windows.	33,100	33.1
NAS Jacksonville Repairs to 26 units to include: Repair wood window openings and replace windows with insulated thermal-glass windows and screens.	18,700	486.2
NAS Whiting Field Repairs to one installation commander quarters (Quarters A): Repair by installing vinyl siding and eaves and replacing all exterior jalousie windows with energy efficient aluminum double-paned windows.	35,300	35.3
ILLINOIS		
PWC Great Lakes Repairs to 178 units to include: Replace weatherstripping on all exterior doors, windows, storm doors, roofing, soffits, roof vents; add attic insulation over bedroom and bathroom ceilings; replace ductwork, piping, closet doors and, patch ceramic tile. Repair tot lot. Concurrent improvements are proposed at a cost of $7,799,500 which include finished basements,	20,528	3,654.0

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4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL ($000)
INSIDE THE UNITED STATES		
PWC Great Lakes (Continued) central air conditioning, garages, wired smoke detectors, suspended ceilings in all units except single family units, relocation of electrical outlets in kitchens and dining rooms, ceiling light fixtures in bedrooms, ground fault interrupter receptacles, patios, storage sheds, privacy fencing and additional shrubbery.		
INDIANA		
NAVWPNSUPPCEN Crane Repairs to 31 units to include: Replace windows and storm doors; replace light fixture and control switch in kitchen, bedrooms and exhaust fan; replace bath receptacles and circuits and smoke detectors; replace gutters, downspouts, and porch attic vents; and repair roads.	22,619	701.2
LOUISIANA		
NSA New Orleans Repairs to one installation commander quarters (Quarters B): Repair by replacement of heating and air conditioning system, electrical wiring, water pipes, drain and supply lines, bathroom fixtures and exterior windows. Repair floor joists, three entrance doors, ceilings and refinish woodwork. Perform change of occupancy maintenance and interior painting.	128,800	128.8
MAINE		
NSGA Winter Harbor Repairs to 32 units to include: Replace exterior siding, roofing, chimneys, gutters and downspouts, windows, attic louvers, exterior doors and storm doors, concrete stoops, first floor girders and building sill; repair fire walls, resilient tile flooring, stair rails, interior wood doors, laundry room door, kitchen	72,519	2,320.6

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4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL ($000)
INSIDE THE UNITED STATES		
NSGA Winter Harbor (Continued) cabinets, counter tops, toilet and bath accessories, boilers, water heaters, second floor bath, first floor half bath lavatory and exhaust fan, electrical light fixtures, electrical panel boards and site drainage.		
NSGA Winter Harbor Repairs to 20 units to include: Replace walls, attic vents, kitchen cabinets, counter tops, flooring and sinks; first floor bath water closets, lavatory, second floor bath tub, tub enclosure, water closet, lavatory; electric service entrance cable; electric circuits and electric light fixtures.	22,920	458.4
MARYLAND NATC Patuxent River Repairs to 100 units to include: Repair roofs by installing gable roof with overhangs over existing steep sloped roofs; and install gutters and downspouts.	21,513	2,151.3
MASSACHUSETTS DOD Housing Westover (Managed by NAVSUBASE New London, Conn.) Repairs to 124 units to include: Replace gutters, fascia board behind gutter, repair other fascia boards; replace exterior siding, windows, exterior doors, replace basement stair hand rails; paint interiors; replace partition between dining area and hallway, furnace combustion air intake and dampers, electrical panel boards, boiler control circuit transformers; resurface driveways, and replace front entrance sidewalk. Concurrent improvements are proposed at a cost of $541,700 which include additional security lighting at front and rear entrances, wooden	23,736	2,943.2

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3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT		5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE	
	UNIT COST ($)	TOTAL ($000)
INSIDE THE UNITED STATES		
DOD Housing Westover (Managed by NAVSUBASE New London, Conn.) (Continued) privacy screen between units, enclosures for refuse containers, skylight covering, extension of entrance landings, column supports at rear entrance canopies, gutters and downspouts at rear entrances, transparent cover for basement window wells, insulation in basement ceilings and additional kitchen cabinets in 80 units. Includes bathroom exhaust fans and light fixtures, interior light fixtures at top of stairwells, and ground fault interrupter receptacles.		
NAS South Weymouth Repairs to one installation commander quarters (Quarters A): Repair by replacement of boiler and thermostat, roof and metal flashing, and front steps; waterproof basement walls; provide additional electrical outlets in kitchen.	26,900	26.9
NAS South Weymouth Repairs to four units to include: Replace roofs, boiler piping and accessories, entrance concrete steps; repair foundation walls; remove deteriorated asbestos storm piping insulation and other asbestos insulation and replace with nonasbestos insulation.	18,125	72.5
NAS South Weymouth Repairs to 56 units to include: Replace drains piping in bathrooms, all exterior siding, trim, flashing, attic fire wall doors, insulation, boilers, pavement, sidewalks, perimeter fence, fire hydrants, sewage pumps and pump house; correct site drainage. Concurrent improvements are proposed at a cost of $163,000 to include the provision of ground fault interrupter electrical	27,500	1,537.4

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
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4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL ($000)
INSIDE THE UNITED STATES		
NAS South Weymouth (Continued) receptacles, dishwashers, bathroom vanities, entrance vestibules, light fixtures, dumpster enclosure, street and directional signs, and bus shelters.		
NEVADA NAS Fallon Repairs to one installation commander quarters (150 May Ranch): Replace gas forced air-furnace system, electric water heater, single pane wood frame windows, and repair sewer and leach field. Concurrent improvements are proposed at a cost of $10,000 which include conversion of present utility room into a storage room and provide for additional kitchen cabinets and electrical outlets.	64,500	64.5
NEW JERSEY NAEC Lakehurst Repairs to 32 quarters to include: Replace deteriorated exterior brick. Replace roof one one unit. Extensive paint stripping and refinishing of interior and exterior wood trim and walls is required. Concurrent improvements are also proposed at a cost of $738,900 which includes extensive alterations, additions, and reconfiguration of rooms. Provide new oil fired furnaces, electrical outlets, circuit, closets, smoke detectors, additional landscaping and site lighting.	37,734	1,207.5
PENNSYLVANIA NADC Warminster Repairs to four units to include: Replace kitchen cabinets and countertops, flooring in dining room and hallways, exterior doors, door frames, and hardware, bathroom sinks, and	40,775	163.1

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4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL ($000)
INSIDE THE UNITED STATES		
NADC Warminster (Continued) vanities, electrical switches, electrical panel box, light fixtures, garage door frames, and roof drip edge; increase attic insulation; repair interior wallboard finishes, foundation finishes; restore proper terrain slope at perimeter of units. Concurrent improvements are proposed at a cost of $29,300 which include wooden hand rails and safety treads on interior stairs, wrought iron railing on exterior stairs, bathroom vanities and exhaust fans, ductwork insulation, ground fault interrupter receptacles, additional receptacles, vinyl window shutters, entrance canopies, and garbage can enclosures.		
RHODE ISLAND		
NETC Newport Repairs to 108 units to include: Replace closet doors with sliding doors, interior doors, bath and lavatory accessories; refinish wood floors; replace windows, storage shed roofing and clapboard siding with vinyl siding; add insulation, and paint building interiors and exteriors; replace sub-floor, kitchen cabinets sinks and countertops; refinish stairs and landings; repair stairs, landing frames, gypsum board; replace bath sub-flooring and ceramic tile, replace and rewire garbage disposals, replace and/or refinish bath tubs; replace hose bibs with freeze proof type, shower/tub controls, interior and exterior receptacles; replace light fixture and control switch in kitchen, bedroom, laundry and closet areas, exhaust fan switch; replace bath receptacles, circuits, and smoke detectors. Phase two of three phases.	27,924	3,015.8
NETC Newport Repairs to 102 units to include: Replace exhaust fan with range hood, vent sink traps, utility	26,326	2,685.2

1. COMPONENT		2. DATE
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3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
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4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
NETC Newport (Continued) room doors, windows, gutters and downspouts, asphalt roof shingles, mailboxes, sliding doors, baseboard radiation, service entrance door in eight units, asbestos access panels in eight units, and overlay roads and driveways. Repair manholes, sewers (mains and laterals), storm catch basins, and replace shrubbery. Concurrent improvements are proposed at a cost of $1,491,900 which include dishwashers, garbage disposals, bathroom exhaust fans, concrete patios, privacy fencing, additional electrical receptacles, conversion of carports to garages, and additional shrubbery.		
SOUTH CAROLINA		
NAVHOSP Beaufort Repairs to two officer units to include: Remove exterior asbestos siding; install vinyl siding, soffit, fascia, and window trim; Install insulated windows and storm screen doors; and add window shutters.	19,400	38.8
NWS Charleston Repairs to one installation commander quarters (Quarters F): Remove and replace antiquated and unusable plumbing fixtures, cabinets, and counter tops in kitchen and bath. Repair by replacing deteriorated floor coverings and ceramic tile in kitchen and bath, exterior walls on family room, and electrical system. Replace air conditioning window units with central heat pump. Recoat metal roof.	108,400	108.4
NWS Charleston Repairs to 292 units to include: Replace exterior doors, sliding glass patio doors, defective windows/screens, wooden siding with	18,200	5,314.4

1. COMPONENT		2. DATE
NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
NWS Charleston (Continued) vinyl siding and roof shingles with fiberglass roof shingles. Repair and provide screen wire on balconies; repair exterior masonry walls and carport ceilings; install rain diverters and fencing; and fill planting area with concrete.		
NWS Charleston Repairs to 94 units to include: Replace shower pans, lavatories and faucet assemblies, base cabinets, vertical drain lines, bath lights, mirrors, bath ceiling ventilation fans, light fixtures and circuit breakers for baths. Remove and replace exterior storage shed doors, entrance doors and glass sliding patio doors, entrance door canopies and exterior light fixtures and mailboxes. Install vinyl siding.	27,000	2,538.0
WASHINGTON		
NAVSUBASE Bangor Repairs to 100 units to include: Replace kitchen cabinets, floor, and range hood, bathroom sink tub, medicine cabinets and floor, living room, hall and utility room floors; repair exterior siding, privacy fencing, storage closets, and trash storage areas; repave roads; repair sidewalks; replace parking bumpers; relocate catch basins; reroof units; and paint interior and exteriors. Concurrent improvements at a cost of $1,771,000 are proposed which include installation of new cabinets, dishwashers, countertops, stainless steel wall guards behind stoves, garbage disposals, new windows, combination storm/screen doors and improved kitchen and bathroom lighting. Includes improvements to carports, sidewalks, steps, guardrails, carport grading, exterior lighting, access roads and retaining walls.	42,966	4,296.6

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT		5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	TOTAL ($000)
INSIDE THE UNITED STATES		
NAS Whidbey Island Repairs to 90 units to include: Replace tubs/showers, mechanical room doors, kitchen exhaust fans, kitchen sinks and faucets, garbage disposal, bath lavatories. Repair/replace drain lines, heating ducts and thermostats. Replace furnace roof jacks, dining/breakfast area light fixtures, and exterior faucets. Repair roads, driveways, sidewalks and parking areas, storm drainage system, and exterior water and sewer laterals.	30,000	2,700.0
WEST VIRGINIA NAVRADSTA Sugar Grove Repairs to 40 units: Replace windows, vanities, lavatories and faucets, medicine cabinets, floor coverings, kitchen cabinets and counter tops, shingle roofs, tub enclosures, range hoods, and light fixtures.	40,375	1,615.0

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4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE	
	UNIT COST ($)	TOTAL ($000)
OUTSIDE THE UNITED STATES		
AUSTRALIA		
NCS Harold E. Holt Repairs to 68 units to include: Replace kitchen cabinets, vinyl coated gypboard ceilings and walls, electrical wiring system, bent metal closet doors, and floor tiles.	77,206	5,250.0
CANADA		
NF Argentia Repairs to 214 units to include: Replace deteriorated bath flooring; provide vinyl siding; replace antiquated lavatories in baths with vanity type lavatories; replace undersized electrical service cable and deteriorated service breakers and panels; refinish/seal bathtubs; and remove and install new bathtub faucets.	15,078	3,226.6
MARIANAS ISLANDS		
PWC Guam Repairs to 53 units to include: Replace hot and cold water lines, electrical distribution lines, lighting fixtures, bathtub, bathroom vanity base, lavatory, and kitchen cabinets. Concurrent improvements are proposed at a cost of $3,024,400 which include gutters with downspouts, dishwashers, range hoods, garbage disposals, kitchen cabinets, carports with storage and driveway, trash enclosures, patios, concrete privacy dividers, and protective coverings for air conditioners.	18,415	976.0
PWC Guam Repairs to one installation commander quarters (3 McMorris Place): Replace plywood roof sheathing, asphalt roof shingles and felt, and fascia. Also included is routine maintenance and repair work to include service calls, preventive maintenance, painting, clean-up, and debris removal and disposal.	35,600	35.6

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4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT		5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL ($000)
OUTSIDE THE UNITED STATES		
PWC Guam Repairs to two units to include: Replace asphalt shingles and felt, and one half of plywood roof deck and fascia; exterior painting.	36,500	73.0
PWC Guam Repairs to five units to include: Replace asphalt shingles and felt, and one half of plywood roof deck and fascia; exterior painting.	25,140	125.7
PHILIPPINES PWC Subic Bay Repairs to 34 units to include: Replace venetian blinds, drapery rods, interior doors, exterior screen doors, floor tile, kitchen cabinets, wall paneling with gypsum board, lavatory cabinet, gutters and downspouts, splash blocks, electrical panel boards, light fixtures, electrical receptacles, disconnect switches, and doorbell system.	37,974	1,291.1
PUERTO RICO NAVSTA Roosevelt Roads Repairs to 32 units to include: Replace doors, windows, kitchen cabinets, carpeting, bathroom fixture and tile; repair bedroom closets, and water, plumbing, and electrical systems; interior and exterior painting. Concurrent improvements at a cost of $872,800 which include removal of existing window air conditioners, installation of central air conditioners, ductwork, refrigerant tubing and piping, controls and related appurtenances, construction of a road between existing housing buildings, and one carport for each unit.	33,372	1,067.9

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
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4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL ($000)
OUTSIDE THE UNITED STATES		
SPAIN		
NAVSTA Rota Repairs to 162 units to include: Replace quarry, ceramic and cork tile floors, interior doors and hardware, oil fired furnaces and fuel piping. Install new ductwork. Concurrent improvements at a cost of $3,002,100 which include kitchen and bathroom ceramic wall tile finishes, kitchen base and wall cabinets, range exhaust hoods, bathroom accessories, fixtures, and fluorescent light fixtures in the kitchen and laundry rooms, construction of linen closets, installation of closet doors and shelves, and relocation of electric range outlets.	18,642	3,020.0

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S/N 0102-LF-001-3915

1. COMPONENT Marine Corps	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE AUG 1989

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE

FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT

5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
CALIFORNIA		
MCB Camp Pendleton Repairs to 170 enlisted Wire Mountain III area housing units. Repairs will replace fencing, windows, doors, screens, and correct landscape deficiencies; replaster, reinsulate, and refinish bathrooms and laundry rooms; replace plumbing and lighting; rewire and repair walls.	$37,112	$6,309.0
MCLB Barstow Repairs to 8 OPQ's. Project provides for replacement of windows, screens, roofing and siding.	$28,625	$ 229.0
NORTH CAROLINA		
MCAS Cherry Point Repairs to 300 officer and enlisted units. Project provides for replacement of siding, windows, screens, doors, interior lighting and for termite protection.	$25,480	$7,644.0
MCB Camp Lejeune Repairs to 435 officer and enlisted Capehart units at MCAS, New River. Project will repair and upgrade the units to modern day standards, to include complete interior repairs to the electrical, mechanical and architectural systems. Repairs include the repair/replacement of plumbing systems, fixtures and ancillary items, walls, floors, ceilings, windows, doors and trim, baseboards, kitchen cabinets, floor tiles, countertops and provide for new wall and ceiling insulation.	$36,064	$16,473.0
SOUTH CAROLINA		
MCAS Beaufort Repairs to 333 officer and enlisted units. This project will be the third and final phase of an effort which will repair 1,100 units. The project will make complete interior repairs to the electrical, mechanical and architectural systems. Repairs include the repair/replacement of plumbing systems, fixtures and ancillary items, electrical systems, walls, floors, ceilings, windows, doors and trim, baseboards, kitchen cabinets, floor tiles, countertops and provide for new wall and ceiling insulation.	$24,925	$8,300.0

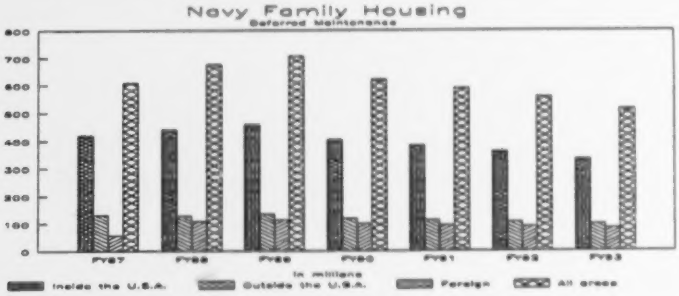
DEPARTMENT OF THE NAVY
DEFERRED MAINTENANCE
($ in Millions)
FY 1991 BUDGET

Appropriation: Family Housing Navy

	FY87	FY88	FY89	FY90	FY91	FY92	FY93
CONUS	420	439	457	403	383	361	332
US Overseas	131	128	135	118	112	106	98
Foreign	57	108	114	99	94	89	82
Worldwide End of FY	608	675	706	620	589	556	512

The major portion of the backlog of deferred maintenance is comprised of major repair projects and maintenance/repair items which are beyond the funding authority of the activity commanding officer and for which special project requests must be prepared and submitted for approval by higher authority. The types of projects comprising the backlog include maintenance of utility distribution systems (repair water, gas, and steam distribution lines; renew electrical service cables and drops); repairs to sanitary sewer systems; repairs to components of the dwelling unit (replace roofing, replace old sash and casement windows, repair sub-flooring, replace floor tile repair furnace and/or air conditioning systems, repair kitchen and bathrooms); repairs to real property (erosion control, sidewalk, curbing and road repairs).

The following is a graphic representation of the backlog of deferred maintenance. The first bar shows the backlog inside the United States. Bar 2 shows the backlog outside the United States. Bar 3 shows the backlog in foreign areas and bar 4 shows the total backlog Navy wide.



The acceptable backlog of deferred maintenance, on a per unit basis, is considered to be $1,000 for each active unit in the inventory. The backlog at the end of FY 89 of $706 million exceeds $10,500 per unit.

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FAMILY HOUSING FY 1991 DEFERRED MAINTENANCE
($ in Millions)
FY 1991 BUDGET

Appropriation: Family Housing, Marine Corps

	FY87	FY88	FY89	FY90	FY91	FY92	FY93
CONUS	59.6	66.6	70.1	76.2	66.0	72.1	85.5
U.S. Overseas	0	0	0	0	0	0	0
Foreign	0.9	0.8	0.7	0.6	0.5	0.4	0.3
Worldwide	60.5	67.4	70.8	76.8	66.5	72.5	85.8

The backlog of deferred maintenance is comprised of major repair projects which are unfunded. The types of work generally accomplished by major repair projects are utility distribution systems (repairs to sewer, water and electrical systems), whole house repair (this concept creates a project based upon all requirements rather than generating numerous smaller projects which only address one deficiency in the house), repairs to streets, sidewalks, erosion control, roofs, guttering, etc.

Family Housing, Navy and Marine Corps
LEASING

(In Thousands)
FY 1991 Program $53,775.0
FY 1990 Program $41,488.0

PURPOSE AND SCOPE

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters.

PROGRAM SUMMARY

A summary of the funding program for Fiscal Year 1991 follows:

	FY 89		FY 90		FY 91	
	Yr End Units	Cost ($000)	Authorization Units	Cost ($000)	Authorization Units	Cost ($000)
Domestic:						
Navy	855	4,551.0	4,000	14,676.0	4,000	25,501.0
Marine Corps	0	0	200	1,000.0	200	1,219.0
Foreign:	1,743	23,982.0	1,992	25,812.0	2,267	27,055.0
Total:	2,598	28,533.0	6,192	41,488.0	6,467	53,775.0

JUSTIFICATION

Domestic Leasing Program Summary: The domestic leasing program is authorized in 10 USC 2828 as amended, which limits the number of units authorized at any one time and specifies the maximum cost limitation. This program consists of leasing on an interim basis until Section 801 and/or military construction (MILCON) units come on line.

Section 801 of the FY 1984 Military Construction Authorization Act (PL 98-115) authorized the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. This authorization was considered a test and would have expired upon execution of contracts no later than 1 October 1985. The Navy sites chosen for testing Section 801 were Norfolk, Virginia, and Earle, New Jersey. The Section 801 program has been extended through the end of FY 1991. The Navy has awarded contracts for Section 801 projects at Norfolk, VA (300 units), Earle, NJ (300 units), Mayport, FL (200 units), Staten Island, NY (1,202 units) and Twentynine Palms, CA (200 units). There are four additional projects underway for a total of 1,678 units.

Domestic Leasing Fiscal Year Summary:

FY 1989 - The domestic leasing program consisted of 855 units that required funding of $4,551.0. Funding in the amount of $4,354.8 provided for full funding of the Section 801 leasing projects at Norfolk and partial funding for Mayport, Earle, and Staten Island. The remaining $196.2 supported the domestic leasing program in Key West, FL.

FY 1990 - The domestic leasing program consisted of 1,172 units that required funding of $15,676.0. Funding in the amount of $15,267.0 provided full funding for Section 801 projects at Earle, Norfolk, Mayport and partial funding for Staten Island and Twentynine Palms. The remaining $409.0 is required to provide continued domestic short-term leasing support in Key West, FL, and first time support in Staten Island, NY.

FY 1991 - The domestic leasing program consists of 2,113 units requiring funding of $26,720.0. Funding in the amount of $26,470.0 is requested to provide full funding for Section 801 projects at Earle, Norfolk, Mayport and Twentynine Palms and partial funding for Staten Island. The remaining $250.0 is required to support 33 short-term domestic leases in Glenview, IL.

Statutory thresholds combined with the scarcity of affordable housing in urban areas inhibit the potential for short term leasing as an answer to Navy family housing requirements. Furthermore, these conditions enhance the need for the long term security provided by Section 801 housing. The economics of the rental markets, in conjunction with the limited supply of housing units, exemplifies the urgency of pursuing more concrete solutions to satisfying our housing needs.

Foreign Leasing: Leasing in foreign countries is authorized in 10 USC 2828, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

The FY 1989 unit authorization consisted of 1,992 units of which 1,743 required funding. The authorization difference of 249 units is due to anticipated delay of delivery of 200 units in the Sigonella project which will be completed in FY 1992. The remaining 49 units are to support the leasing program at Rota, Spain, La Maddalena, Italy and various other locations.

The FY 1990 unit authorization consisted of 1,992 units of which 1,757 required funding. The authorization difference of 235 units is due to anticipated delay of requirements for lease execution in various locations.

The FY 1991 unit authorization consists of 2,267 units of which 1,967 will require funding. This budget estimate also includes a request for authorization of 275 additional foreign leases. The leases will support the lease construct program at Naples, Italy (200 units) and the expanded SHORE program at various locations.

FAMILY HOUSING, DEPARTMENT OF THE NAVY

SECTION 801 FAMILY HOUSING SUMMARY

(Dollars in thousands)

FY 19 91

LOCATION	NO OF UNITS	FY OF INITIAL AUTH	DATE OF AWARD	DATE OF FULL OCCUP	TOTAL ANNUAL COST	FY (CY)90 UNITS	FY (CY) 90 COSTS	FY (BY)91 UNITS	FY (BY)91 APPROP REQUEST
NAVY									
Earle, NJ	300	1984	10/88	8/90	4,027.6	300	2,823.0	300	4,027.6
Norfolk, VA	300	1984	2/86	12/87	3,992.0	300	3,992.0	300	4,001.4
Mayport, FL	200	1986	8/86	3/89	1,527.0	200	1,527.0	200	1,566.0
Staten Island, NY	1,202	1987	6/89	10/91	21,071.2	230	2,125.0	880	11,641.1
San Diego, CA	478	1988	12/90	12/92	3,299.0	0	0	0	0
Long Beach, CA	300	1988	3/91	3/93	3,259.6	0	0	0	0
Port Hueneme/ Point Mugu, CA	300	1988	10/90	11/92	3,105.7	0	0	0	0
Washington, DC	600	1988	10/89	10/91	5,712.0	0	0	200	714.3
Unassigned	300	1988	----	----	.0	0	0	0	0
PLANNING							3,800.0		3,300.6
MARINE CORPS									
29 Palms	200	1986	9/86	10/91	1,500.0	100	1,000.0	200	1,219.0
TOTAL	4,180	N A	N A	N A	50,014.1	1,130	15,267.0	2,080	26,470.0

FAMILY HOUSING, DEPARTMENT OF THE NAVY

ANALYSIS OF LEASED UNITS

(Other than Section 801 and Section 802 Units)

FY 19 91

LOCATION	FY (PY) 89			FY (CY) 90			FY (BY) 91		
	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)
DOMESTIC LEASES (List each location)									
New York, NY	0	0	0	2	4	4.0	0	0	0
Key West, FL	25	205	196.2	40	431	405.0	0	0	0
Glenview, IL	0	0	0	0	0	0	33	396	250.0
TOTAL DOMESTIC LEASES	25	205	196.2	42	435	409.0	33	396	250.0
FOREIGN LEASES (List each location)									
(a) Hong Kong, B.C.	7	84	218.0	7	84	228.8	7	84	297.9
(a) Manila	53	585	832.0	53	636	831.5	53	636	975.8
(c) Djakarta	6	72	335.0	9	99	436.8	10	120	399.8
(c) Bangkok	7	81	180.0	8	95	234.5	7	84	225.8
(a) Bahrain	1	12	67.8	1	12	31.2	1	12	54.4
(c) New Delhi	1	12	32.0	1	12	45.7	1	12	43.8
(a) Lisbon	1	12	48.0	1	12	47.7	1	12	48.9
(a) Greece	3	36	55.6	3	36	52.7	3	36	56.0
(a)(b)La Maddalena	162	1,944	2,225.0	194	2,226	3,080.4	204	2,448	2,899.1
TOTAL FOREIGN LEASES									
GRAND TOTAL									

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Exhibit FH-4

FAMILY HOUSING, DEPARTMENT OF THE NAVY

ANALYSIS OF LEASED UNITS

(Other than Section 801 and Section 802 Units)

FY 19 91

LOCATION	FY (PY)89			FY (CY) 90			FY (BY)91		
	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)
DOMESTIC LEASES (List each location)									
TOTAL DOMESTIC LEASES									
FOREIGN LEASES (List each location)									
(a)(b) Naples	508	6,096	6,070.8	510	6,108	6,189.6	710	6,096	6,402.1
(a)(b) Sigonella	309	3,708	7,130.4	496	5,104	6,748.3	509	5,308	6,837.2
(a)(b) London	84	1,008	1,092.7	84	1,008	1,478.4	134	1,208	1,932.3
(a)(b) Holy Loch	436	5,232	4,241.8	436	4,704	4,479.0	436	5,232	4,780.6
(b) Thurso	50	600	494.9	50	600	606.0	50	600	625.1
(b) Edzell	102	1,224	831.6	102	1,224	927.6	102	1,224	956.3
(a) Rota	0	0	0	25	300	208.0	25	300	296.4
(a) Rome	10	30	40.0	11	124	166.3	13	148	203.4
(a) Oslo	1	12	19.2	1	12	19.5	1	12	20.1
(a) Tokyo	2	20	67.2	0	0	0	0	0	0
TOTAL FOREIGN LEASES	1,743	20,768	23,982.0	1,992	22,396	25,812.0	2,267	23,572	27,055.0
GRAND TOTAL	1,768	20,973	24,178.2	2,034	22,831	26,221.0	2,300	23,968	27,305.0

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Exhibit FH-4

(a) Individual Lease (b) Lease Construction (c) Department of State Leasing Pool

FY 1991
FAMILY HOUSING, NAVY
DEBT PAYMENT

	(In thousands)
FY 1991 Program	$198
FY 1990 Program	$208

Purpose and Scope

The requirement for the payment of principal and interest on the remaining indebtedness for Capehart and acquired Wherry housing has been completed. All mortgages have been paid off as of 30 September 1988 for the Wherry housing and as of 30 September 1989 for the Capehart housing. The only remaining requirement for this program is the payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel on housing purchased by them.

Program Summary

Authorization required for the appropriation is $198,000. No reimbursements will be used to finance the FY 1991 program pursuant to Section 511, Public Law 96-418.

A summary of the status of the indebtedness assumed by the Department of the Navy to acquire quarters for the military housing is as follows:

	(In Thousands)		
	1989 Actual	1990 Enacted	1991 Estimate
Debt Incurred:			
Capehart	346,901	346,901	346,901
Wherry	158,158	158,158	158,158
TOTAL	505,059	505,059	505,059
Less previously retired:			
Capehart	346,773	346,901	346,901
Wherry	158,158	158,158	158,158
TOTAL	504,931	505,059	505,059
Debt Retired During Year:			
Capehart	128	-0-	-0-
Wherry	-0-	-0-	-0-
TOTAL	128	-0-	-0-
Unliquidated Debt, End of Year:			
Capehart	-0-	-0-	-0-
Wherry	-0-	-0-	-0-
TOTAL	-0-	-0-	-0-

FY 1991
FAMILY HOUSING, NAVY
DEBT PAYMENT
($000)

TOA	FY 1990	FY 1991
Interest Capehart and Wherry	-0-	-0-
Mortgage Insurance Premiums		
Servicemember's		
Navy	197	189
Marine Corps	11	9
Total Obligating Authority	208	198
Budget Authority:	208	198
Appropriation	208	198
Portion Applied to Debt Reduction	-0-	-0-
Appropriation (adjusted)	208	198

FAMILY HOUSING, NAVY
FY 1991 BUDGET
SERVICEMEN'S MORTAGE INSURANCE PREMUIMS

This program provides for the payment of premiums due on mortage insurance provided by the Federal Housing Administration for housing mortgages purchased by active duty military personnel. Also, it continues payments for cases where a serviceman dies while on active duty and leaves a surviving widow as owner of the property. Payments extend for a period of two years after death or until the widow disposes of the property, whichever occurs first. The maximum amount insurable by FHA is $67,500. The premium rate is 1/2 of 1% of the unpaid balance of the mortgage. The Department of Housing and Urban Development stopped processing applications for servicemen's mortgage insurance premiums as of 31 March 1980 with the discontinuance of Section 222 of the Housing Act.

	FY1990			FY1991		
	NAVY	MARINE CORPS	TOTAL	NAVY	MARINE CORPS	TOTAL
No. of Mortgages	1,065	79	1,144	1,021	64	1,085
Average Payment	$140	$140	$180	$140	$140	$180
Total Payment	$197,000	$11,000	$208,000	$189,000	$ 9,000	$198,000

INTENTIONAL

BLANK

Fiscal Year 1991
BUDGET ESTIMATE
NAVAL AND MARINE CORPS RESERVE

UNITED STATES NAVY
CHIEF OF NAVAL OPERATIONS

MILITARY CONSTRUCTION PROGRAM

JUSTIFICATION DATA SUBMITTED TO CONGRESS
JANUARY 1990

DEPARTMENT OF THE NAVY
MILITARY CONSTRUCTION, NAVAL RESERVE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1991

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TAB A

Department of the Navy
Military Construction, Naval Reserve - FY 1991
STATE LIST
(Dollars in Thousands)

State	Project Number	Installation/Project	Auth./App Amount	DD 1391 Page No.
California	P-550	NAR San Diego Aircraft Parking Apron	3,950	3
	P-528	MCAS Camp Pendleton Aircraft Maintenance Hangar	8,100	8
	P-270	NAR Miramar Aircraft Start System	1,440	12
		Subtotal	13,490	
Georgia	P-331	NAS Atlanta Avionics Facility	2,800	17
		Subtotal	2,800	
Illinois	P-076	NMCRC Rock Island Reserve Center Addition	3,200	21
	P-077	NMCRC Peoria Reserve Center Addition	800	26
		Subtotal	4,000	
Indiana	P-019	NRC Terra Haute Reserve Center Addition	620	30
		Subtotal	620	
Louisiana	P-382	NAS New Orleans Avionics Facility	3,200	35
		Subtotal	3,200	
Maine	P-001	AFRC Bangor Reserve Training Building	1,815	39
		Subtotal	1,815	
Massachusetts	P-059	NAS South Weymouth Fire Station Addition	780	44
		Subtotal	780	

Ohio	P-554	NMCRC Cincinnati Reserve Center Addition	1,200	49
		Subtotal	1,200	
Pennsylvania	P-213	NAS Willow Grove Ground Support Equipment Facility	1,220	54
	P-551	AFRC Harrisburg Reserve Center Addition	2,400	58
		Subtotal	3,620	
Texas		NAS Dallas		
	P-208	Ground Support Equipment Facility	1,640	63
	P-319	LOX/NIT Facility	650	65
		NMCRC Houston		
	P-065	Reserve Center Addition	3,600	70
		Subtotal	5,890	
Virginia	P-633	NAR Norfolk Aircraft Maintenance Hangar	7,300	75
		Subtotal	7,300	
	Major Construction Subtotal		44,715	
Various Locations				
	Minor Construction (Unspecified)		1,600	
	Design		3,885	
		Subtotal	5,485	
	Total, Military Construction		50,200	

TAB B

MILITARY CONSTRUCTION, NAVAL RESERVE
"New Mission"/"Current Mission" Listing
FY 1991 BUDGET
($000)

P-NO	State/Installation	Project Name	New/ Current	COST
550	NAR San Diego, Ca.	Aircraft Parking Apron	C	3,950
528	MCAS Camp Pendleton, Ca.	Aircraft Maintenance Hangar	N	8,100
270	NAR Miramar, Ca.	Aircraft Start System	C	1,440
331	NAS Atlanta, Ga.	Avionics Facility	N	2,800
076	NMCRC Rock Island, Il.	Reserve Center Addition	C	3,200
077	NMCRC Peoria, Il.	Reserve Center Addition	C	800
019	NRC Terra Haute, In.	Reserve Center Addition	C	620
382	NAS New Orleans, La.	Avionics Facility	C	3,200
001	AFRC Bangor, Me.	Reserve Training Building	C	1,815
059	NAS South Weymouth, Ma.	Fire Station Addition	C	780
554	NMCRC Cincinnati Oh.	Reserve Center Addition	C	1,200
213	NAS Willow Grove Pa.	Ground Support Equipment Facility	C	1,220
551	AFRC Harrisburg Pa.	Reserve Center Addition	C	2,400
208	NAS Dallas Tx.	Ground Support Equipment Facility	C	1,640
319	NAS Dallas Tx.	LOX/NIT Facility	C	650
065	NRC Houston, Tx.	Reserve Center Addition	C	3,600
633	NAR Norfolk, Va.	Aircraft Maintenance Hangar	N	7,300
		Subtotal		44,715
		Current Mission		26,515
		New Mission		18,200

TAB C

APPROPRIATION
MILITARY CONSTRUCTION, NAVAL RESERVE

Department of the Navy FY 1991
Annual Budget Estimates Budget

SECTION 1 - LANGUAGE

For construction, acquisition, expansion, rehabilitiation, and conversion of facilities for the training and administration of the Reserve components of the Navy and Marine Corps as authorized by Chapter 133 of Title 10, United States Code, and military construction authorization Acts, [$56,600,000] $50,200,000, to remain available until September 30, [1994] 1995.

SECTION 2 - EXPLANATION OF LANGUAGE CHANGES

1. Deletion of FY 1990 appropriation shown in brackets.

2. Insertion of 1991 request.

DEPARTMENT OF THE NAVY
MILITARY CONSTRUCTION, NAVAL RESERVE
FY 1991
SPECIAL PROGRAM CONSIDERATION

Pollution Abatement

The military construction projects in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy savings devices. Projects are designed for minimum energy consumption.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos, 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places except as noted on DD Form 1391.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Economic Analysis

Economics is an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

Reserve Manpower Potential

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve flying/non flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with the other services having Reserve flying/non flying units in these areas, that the number of units of the reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

Potential Use of Vacant Schools and Other State and Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under the program.

Construction Criteria Manual

Unless otherwise noted, the projects are within the criteria or scope prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

Non-MILCON Construction Activities. The Senate Appropriations Committee on page 24 of the FY-88 report 100-200 and the Committee on Conference, House and Senate Appropriation Committees on page 1006 of the FY-88 report 100-498 required information on Non-MILCON construction in the other appropriations. The FY-91 appropriations with Non-MILCON construction in FY-91 are shown below:

Appropriation	(Thousands of Dollars)
Operation and Maintenance , Navy Reserve	
- Maintenance and Repair	$47,751
- Minor Construction	$4,323
Operation and Maintenance, Marine Corps Reserve	
- Maintenance and Repair	$2,443
- Minor Construction	$1,686

Mil. Con., Naval Reserve
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	17-1235-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1989 actual	1990 est.	1991 est.	Obligations 1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction	53,475	50,797	44,715	50,232	56,902	45,563
00.0201	Minor construction	1,985	1,579	1,600	1,297	2,783	1,597
00.0301	Planning	5,440	4,224	3,885	3,989	6,308	3,861
10.0001	Total	60,900	56,600	50,200	55,518	65,993	51,021
	Financing:						
17.0001	Recovery of prior year obligations				-31		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-14,556	-19,938	-10,545
21.4009	Reprograming from/to prior year budget pla	-31					
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				19,938	10,545	9,724
25.0001	Unobligated balance lapsing	31			31		
40.0001	Budget authority (Appropriation)	60,900	56,600	50,200	60,900	56,600	50,200
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net				55,518	65,993	51,021
72.4001	Obligated balance, start of year				73,104	68,943	72,436
74.4001	Obligated balance, end of year				-68,943	-72,436	-64,757
77.0001	Adjustments in expired accounts (net)				42		
78.0001	Adjustments in unexpired accounts				-31		
90.0001	Outlays				59,689	62,500	58,700

Mil. Con., Naval Reserve
Object Classification (in Thousands of dollars) SUMMARY

Identification code	17-1235-0-1-051	1989 actual	1990 est.	1991 est.
	Direct obligations:			
	Other services:			
125.003	Contracts	2,353	2,061	2,141
125.004	Other	680	626	642
132.001	Land and structures	52,485	63,306	48,238
199.001	Total Direct obligations	55,518	65,993	51,021
999.901	Total obligations	55,518	65,993	51,021

TAB D

26-760 O—90——20

1. COMPONENT NAVY	**FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR RESERVE, NAS, NORTH ISLAND, CA		4. AREA CONSTR COST INDEX 1.21

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH
AND TWO WEEKS ANNUAL ACTIVE DUTY

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

EIGHT - NAVY
ONE - ARMY
ONE - MARINE CORPS

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
113-20	AIRCRAFT PARKING APRON	59,580 SY	3,950	3/87	3/90

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

JUL 88
(Date)

APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

DD FORM 1 MAY 78 1390s
S/N 0102-LF-001-3906 Page 1 of 2

1. COMPONENT	FY 191 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL AIR RESERVE, SAN DIEGO, CA

11. PERSONNEL STRENGTH AS OF 23 MAY 89

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	223	27	166	30	1962	579	1383
ACTUAL	202	28	143	31	1285	465	820

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR COMCAMGRUPAC DET 194	37	25
NR NAS NORTH ISLAND 194	175	103
NR AIRPAC SUPPLY 0294	56	39
NR CV-64 DET 0194	56	28
NR CV-61 RANGER 0194	54	30
NR ASWOC 1294	52	39
NR ASW WING PAC 194	59	40
NR NAVAIRPAC 1094	59	51
NR TACTICAL SQUADRON 1194	70	30
NR TACTICAL SQUADRON 1294	68	31
NR COMTACGRU ONE 0194	19	12
NR VS-0294	89	59
NR HS-246	41	25
VR-57	168	143
HC-9	164	104

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-9B	3	3
HH-3A	6	6
SH-2F	8	9
	17	18

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR RESERVE, SAN DIEGO, CA		
4. PROJECT TITLE AIRCRAFT PARKING APRON		5. PROJECT NUMBER P-550

12. RESERVE UNIT DATA (CONTINUED)

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HELO ANTI-SUBRON 84	268	107
NR MOBASCONTGRP 9494	0	2
NR VTU 9494	0	0
NR NAVAIRSYS 1294	15	15
NR NADEP 0294	13	12
NR VTU AIRSYSCOM 1194	0	0
NR COMNAVSURFPAC 0994	27	27
NR NISRO 2794	21	20
NR DEFINTERROG 0219	17	16
NR NISRO 2819	12	10
NR FIRST PAC 919	50	40
NR FIRST PAC 794	50	47
NR FIRST PAC 894	48	43
NR NAVAIRPAC OPINTEL 0194	47	37
NR VTU INTEL 121	0	0
NR NAVOCEANSYSCEN 0194	23	18
NR FLT INTEL TRNG CTR 0194	20	0
NR INTEL CEN PAC 0319	23	20
NR CTF 168 0794	21	18
NR NAS NI MED 0194	49	44
NR NAS NI DEN 0194	10	8
NR 4MAW MED MAG 46	29	23
NR NORA SAN DIEGO 1994	52	19
RECORDS REVIEW NAS NORTH ISL	0	0
	1,962	1,285

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR RESERVE NAS, NORTH ISLAND, SAN DIEGO, CA	4. PROJECT TITLE AIRCRAFT PARKING APRON

5. PROGRAM ELEMENT 0505196N	6. CATEGORY CODE 113-20	7. PROJECT NUMBER P-550	8. PROJECT COST ($000) 3,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				3,443
AIRCRAFT PARKING APRON	SY	59,580	53.00	(3,158)
AIRCRAFT WASHRACK	SY	875	326.0	(285)
SUPPORT FACILITIES				110
ELECTRICAL UTILITIES	LS			(50)
MECHANICAL/SITE IMPROVEMENTS	LS			(60)
SUBTOTAL				3,553
CONTINGENCY (5%)				177
TOTAL CONSTRUCTION COST				3,730
SIOH (6%)				224
TOTAL FUNDS REQUESTED				3,954
TOTAL REQUEST ROUNDED				3,950
EQUIPMENT FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a reinforced concrete parking apron area with taxiways to meet existing taxiways, and a new aircraft washrack with 8 ft. high concrete masonry walls on 3 sides. Project will include apron lighting.

11. REQUIREMENT: 93,455 SY ADEQUATE: 0 SY SUBSTANDARD: 33,000 SF

PROJECT: Provide aircraft parking apron and washrack to serve a new aircraft maintenance hangar to be used by two squadrons of the Naval Air Reserve. (Current Mission)

REQUIREMENT: Adequate aircraft parking and washrack facilities near the squadron maintenance hangar to support a Helo Combat Support Squadron and a Helo ASW Unit with 18 aircraft assigned.

CURRENT SITUATION: Existing aircraft maintenance hangars currently being used by reserve squadrons are deficient and are to be replaced by MCNR project P-528. Effective washrack facilities are not available to reserve squadrons at present hangar location. Cleaning and maintenance of aircraft used by reserve squadrons is difficult to use and inefficient.

IMPACT IF NOT PROVIDED: Without a parking apron, aircraft would have to transit from the remote parking area to the hangar greatly increasing both traffic on the taxiways, and manpower requirements. These operational inefficiencies and deficiencies will continue to lower the squadron's readiness. Without construction of the washrack facilities, reserve squadrons will not have proper means to wash away dirt and corrosive build up on the aircraft which, over a period of time, will result in aircraft damage.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR RESERVE, NAS, NORTH ISLAND, SAN DIEGO, CA

4. PROJECT TITLE AIRCRAFT PARKING APRON	5. PROJECT NUMBER P-550

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started..................	JUN 88
(b) Percent Complete as of January 1990..	95
(c) Date Design 35%......................	JAN 89
(d) Date Design Complete.................	MAR 90

(2) Basis:

(a) Standard or Definitive Design: Yes__ No X__

(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications..	(190)
(b) All Other Design Costs..................	(50)
(c) Total...................................	(240)
(d) Contract................................	(30)
(e) In-house................................	(210)

(4) Construction start.......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility and Design Guide."

1. COMPONENT
NAVY

FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR FACILITY,
CAMP PENDLETON, CA

4. AREA CONSTR COST INDEX
1.12

5. FREQUENCY AND TYPE UTILIZATION
NORMAL WORK WEEK PLUS ONE DRILL WEEKEND PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

NONE ON BOARD MARINE CORPS BASE CAMP PENDLETON

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-05	AIRCRAFT MAINTENANCE HANGAR	38,834 SF	8,100	3/88	9/89

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
APPROVED FOR UNILATERAL CONSTRUCTION
15 JUL 88
(Date)

9. LAND ACQUISITION REQUIRED
NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

1. COMPONENT NAVY	FY 191 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR FACILITY, CAMP PENDLETON, CA

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	97	3	94	0	173	37	136
ACTUAL	46	3	43	0	0	0	0

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
MAG 46 DET C	44	0
HMS 775	77	0
MALS 46 DET C	52	0
	173	0

NOTE: THIS PROJECT SUPPORTS A NEW MISSION AND PERSONNEL STRENGTH IS EXPECTED BY THIRD QUARTER OF 1990.

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
AH-1J	12	0

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR FACILITY CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE AIRCRAFT MAINTNEANCE HANGAR

5. PROGRAM ELEMENT 0505796M	6. CATEGORY CODE 211-05	7. PROJECT NUMBER P-528	8. PROJECT COST ($000) 8,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE HANGAR	LS			5,010
AIRCRAFT HANGAR	SF	38,834	129	(5,010)
SUPPORTING FACILITIES	LS	-	-	2,277
SPECIAL CONSTRUCTION (PILE FOUNDATION)	LS			(200)
WASHRACK (TYPE I)	SY	800	150	(120)
5 TON TRAVELING CRANE	LS			(60)
ACCESS APRON/A/C PARKING/TAXIWAY	SY	21,000	60	(1,260)
TEMPORARY FACILITIES	LS			(70)
DEMOLITION	LS	-	-	(110)
SITE WORK, PAVING	LS			(177)
UTILITIES	LS			(280)
SUBTOTAL				7,287
CONTINGENCY (5%)				364
TOTAL CONTRACT COST				7,651
SUPERVISION, INSPECTION & OVERHEAD (6%)				459
TOTAL REQUEST				8,110
TOTAL REQUEST (ROUNDED)				8,110
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide a steel framed and concrete block hangar with crew, equipment, and administrative spaces. Associated access apron, taxiway, aircraft and POV parking. Provide temporary facilities for personnel during hangar construction. Install wash rack, 5-ton crane, PCC pad with utilities for line maintenance shelter. Air conditioning 25 tons.

11. REQUIREMENT: 38,834 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Provide a maintenance hangar for rotary wing aircraft. (new mission)

REQUIREMENT: Provide adequate maintenance spaces for assigned and projected rotary wing aircraft.

CURRENT SITUATION: At present there are two organizational maintenance hangars and one intermediate maintenance hangar to perform maintenance on the aircraft of the five assigned aircraft squadrons. During FY-88 4th Marine Aircraft Wing commissioned a new AH-1J Cobra Squadron (12 aircraft) at MCAS Camp Pendleton adding to the already crowded conditions aboard the air station. There are MILCON projects underway to alleviate the severe overcrowding with estimated completion in FY-88. Temporary space will be available for the 4th MAW Squadron when the active duty squadrons vacate hangar 2360 and relocate to the new hangars. Current plans stipulate that the Reserves must construct and relocate to their own hangar by 1992. This project will provide a permanent home for the Reserve aircraft.

IMPACT IF NOT PROVIDED: Maintenance of assigned Rotary Wing aircraft and the combat readiness posture will be adversely affected by the lack of necessary facilities.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR FACILITY, CAMP PENDLETON, CA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR		5. PROJECT NUMBER P-528

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. MAR 88
(b) Percent Complete as of January 1990.. 100
(c) Date Design 35%...................... OCT 88
(d) Date Design Complete................. SEP 89

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (380)
(b) All Other Design Costs.................. (90)
(c) Total.................................... (470)
(d) Contract................................. (420)
(e) In-house................................. (50)

(4) Construction start......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

1. COMPONENT NAVY	**FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR RESERVE CENTER, MIRAMAR, CA		4. AREA CONSTR COST INDEX 1.19

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH AND TWO WEEKS ANNUAL ACTIVE DUTY

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

EIGHT - NAVY
ONE - ARMY
ONE - MARINE CORPS

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
149-15	AIRCRAFT START SYSTEM	1	1,440	2/88	7/89

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION — AUG 87 (Date)

APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED — ONE (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

1. COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR RESERVE CENTER, MIRAMAR, CA

11. PERSONNEL STRENGTH AS OF 31 MAR 88 *AT NAR SAN DIEGO

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	206	15	191	*0	898	214	684
ACTUAL	204	12	192	*0	673	161	512

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR PACFLT AV DET 0185	17	7
NR FIT/AEW WING PAC 185	20	12
NR VF-1485	106	59
NR VC-885	57	28
NR VAW 0285	43	25
NR VAW-1285	6	0
VC-13	146	109
CVWR-30	10	3
VAW-88	45	99
VF-301	174	129
VF-302	187	148
NR VF-1285	61	27
NR MOBASCONTGRP 8594	0	9
NR VOLTRAUNIT 8594	0	0
NR MCAS EL TORO MD/DN 0185	26	18
TOTAL	898	673

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
E-2C	4	4
F-14A	24	23
A-4E	10	7
A-4F	0	3
TA-4J	2	8

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR RESERVE CENTER, MIRAMAR NAVAL AIR STATION MIRAMAR, CALIFORNIA	4. PROJECT TITLE AIRCRAFT START SYSTEM

5. PROGRAM ELEMENT 0505196N	6. CATEGORY CODE 149-15	7. PROJECT NUMBER P-270	8. PROJECT COST ($000) 1,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIXED AIRCRAFT START SYSTEM	EA	12		1,295
MECHANICAL	LS			(820)
ELECTRICAL UTILITIES	LS			(475)
SUBTOTAL				1,295
CONTINGENCY (5%)				65
TOTAL CONTRACT COST				1,360
SUPERVISION, INSPECTION & OVERHEAD (6%)				82
TOTAL REQUEST				1,442
TOTAL REQUEST (ROUNDED)				1,442
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct 12 aircraft starting consoles containing compressed air and electricity for starting F-14 and E-2 aircraft.

11. REQUIREMENT: 12 consoles ADEQUATE: 0 consoles

PROJECT: Provide compressed air and electricity for starting F-14 and E-2 aircraft. Project will service 24 aircraft parking positions for Naval Reserve aircraft in front of Hangar 570. (Current Mission)

REQUIREMENT: A centralized underground aircraft utility system is required to start and service aircraft on the parking aprons and reduce ground support equipment requirements.

CURRENT SITUATION: Aircraft are currently started with mobile equipment which adversely impacts operations and results in increased launched times, hazards due to equipment on flight line, danger of jet engine damage from debris on mobile equipment, and high maintenance and operating cost of mobile support equipment.

IMPACT IF NOT PROVIDED: Adverse operating impacts for the Reserve aircraft while fixed start systems are in use at all other aircraft parking areas of Naval Air Station Miramar.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR RESERVE CENTER, MIRAMAR, NAS, MIRAMAR, CA		
4. PROJECT TITLE AIRCRAFT START SYSTEM		5. PROJECT NUMBER P-270

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started..................	FEB 88
(b) Percent Complete as of January 1990..	100
(c) Date Design 35%......................	JUL 88
(d) Date Design Complete.................	JUL 89

(2) Basis:

(a) Standard or Definitive Design: Yes___ No X

(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications..	(60)
(b) All Other Design Costs..................	(20)
(c) Total...................................	(80)
(d) Contract................................	(62)
(e) In-house................................	(18)

(4) Construction start........................ NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

S/N 0102-LF-001-3915 ☆U.S. Government Printing Office: 1981—665-106/7300 3-1

1. COMPONENT NAVY	**FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, ATLANTA, GA		4. AREA CONSTR COST INDEX .87

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH AND TWO WEEKS OF ANNUAL ACTIVE DUTY

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

EIGHT ARMY
TWO N&MCRC CENTERS
ONE AIR FORCE
FIVE NATIONAL GUARD

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
211-45	AVIONICS SHOP	17,000 SF	2,800	6/88	8/89

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

MAR 88
(Date)

APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT NO.	TITLE	FY
P-332	GSE SHOP	92

DD FORM 1 MAY 78 **1390s**
S/N 0102-LF-001-3906 Page 1 of 2

1. COMPONENT
NAVY

FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, ATLANTA, GA

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	973	70	760	143	2052	420	1632
ACTUAL	974	67	771	136	1733	361	1372

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NAS CECIL FLD 0667	95	75
NAS JACKSONVILLE 0167	154	100
NAVSTA ROTA 0167	153	113
CARRIER GROUP 0667	40	33
CV-60 SARATOGA 0167	189	93
CV-59 FORRESTAL 0167	87	43
VA-2267	57	45
VR-24 COMP 467	8	5
VR-46	122	105
ATTACK SQUADRON 205	290	147
MOBASCONTGRP 6767	0	7
VOLTRAUNIT 6767	0	0
NAVAIRSYS 1367	11	5
CNAVEUR INT 167	60	55

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
A-7E	12	11
DC-9	2	2
UC-12B	1	1
AH-1J	12	15
OV-10A	18	16

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, ATLANTA, GA		
4. PROJECT TITLE AVIONICS SHOP		5. PROJECT NUMBER P-33

12. RESERVE UNIT DATA CONT'D.

UNIT DESIGNATION	STRENGTH AUTHORIZED	 ACTUAL
FIRSTEURLNT 867	53	44
FIRSTEURLNT 967	49	22
NISRO 1407	12	12
VTU INTELLIGENCE 108	0	0
COMPHIBGRU 2 DET 867	22	21
DEFINTERROG 0409	16	12
NAS ATL MED/DEN 0167	21	20
4 MAW MED MAG 41 DET B	20	18
*VMO 4	142	178
*HMA 773	148	192
*H&MS 46 DET C	143	207
*4TH FAAD DET A	147	172
TOTAL	2052	1733

* MARINE CORPS UNITS

☆ U.S. Government Printing Office: 1981—666-106/7366 2-1

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, ATLANTA, GA	4. PROJECT TITLE AVIONICS SHOP

5. PROGRAM ELEMENT 0505196N	6. CATEGORY CODE 211-45	7. PROJECT NUMBER P-331	8. PROJECT COST ($000) 2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT AVIONICS SHOP	LS			1,773
BUILDING	SF	17,000	83	(1,411)
RENOVATION OF EXISTING SPACES	SF	8,820	41	(362)
SUPPORTING FACILITIES				756
ELECTRICAL UTILITIES				(101)
MECHANICAL UTILITIES				(121)
EMERGENCY GENERATOR	LS			(38)
PAVING & SITE IMPROVEMENTS				(76)
ACCESS APRON	LS			(400)
DEMOLITION	LS			(20)
SUBTOTAL				2,529
CONTINGENCY (5%)				126
TOTAL CONTRACT COST				2,655
SUPERVISION, INSPECTION & OVERHEAD (6%)				159
TOTAL REQUEST				2,814
TOTAL REQUEST (ROUNDED)				2,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story, reinforced concrete structure with brick and block exterior walls, built-up-roof, industrial waste service, emergency generator, humidity control, fire protection and electrostatic flooring. The existing avionics and armament shops will be renovated. Parking, access paving/apron, site improvements and demolition are included.

11. REQUIREMENT: 25,820 SF ADEQUATE: 0 SF SUBSTANDARD: 8,820 SF

PROJECT: Provide a new aircraft avionics building to support the newly assigned A-6 aircraft and renovation of the existing avionics spaces for an aviation life support shop, armament shop, and a weapons department. (New Mission)

REQUIREMENT: Provide adequate facilities for the maintenance of avionics systems of assigned aircraft.

CURRENT SITUATION: The existing building does not have the required space to support the new A-6 aircraft. Improved security, electromagnetic suppresion, fire protection, electrical, and HVAC services are needed to support the extensive avionics equipment maintenance workload. Excessive downtime on various avionics equipment exists each day.

IMPACT IF NOT PROVIDED: The avionics shop will be unable to maintain the aircraft avionics in a timely manner. The avionics, unable to be serviced, will be sent to other installations for service when and if they could be worked into the other installations's schedule. Until repair is complete the aircraft would be grounded. Under heavy operational usage this could result in so many grounded aircraft that the squadron would be unable to respond to an unscheduled deployment.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, ATLANTA, GA		
4. PROJECT TITLE AVIONICS SHOP		5. PROJECT NUMBER P-331

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. JUN 88
(b) Percent Complete as of January 1990.. 100
(c) Date Design 35%...................... NOV 88
(d) Date Design Complete................. AUG 89

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (150)
(b) All Other Design Costs.................. (95)
(c) Total................................... (245)
(d) Contract................................ (205)
(e) In-house................................ (40)

(4) Construction start......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

1. COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER ROCK ISLAND, IL		4. AREA CONSTR COST INDEX .97

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

ILLINOIS NATIONAL GUARD NAVAL RESERVE
IOWA NATIONAL GUARD
MARINE CORPS RESERVE
ARMY RESERVE
ILLINOIS AIR NATIONAL GUARD

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-15	RESERVE CENTER ADDITION	22,381 SF	3,200	6/88	6/90

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

APPROVED FOR UNILATERAL CONSTRUCTION

18 MAR 87
(Date)

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

DD FORM 1 MAY 78 1390s
S/N 0102-LF-001-3906 Page 1 of 2

1. COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER, ROCK ISLAND, IL

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	31	3	26	2	541	61	480
ACTUAL	36	3	31	2	535	48	487

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
NR CG-32 W H STANDLEY 3216	28	27
NR DDG-24 WADDELL 2416	46	30
NR FTG GTMO 116	32	23
NR PHIB CB 1 DET 261	47	36
NR 4 FSSG MDBMHSPCODET F	23	18
NR MOBASCONTGRP 1603	0	18
RNMCB 25 DET 0225	2	66
NR SIMA SDIEGO 1316	21	19
NR SECGRU ROCK ISLAND 316	20	20
NR CINCPAC DET 216	31	32
NR VOLTRAUNIT 1603	0	3
NR FH 250 CBTZ 7 DET M	28	31
NR NSD SUBIC HQ C 916	30	27
NR FLTSUPTRA 2216	17	0
MR H&S CO	3	2
MR GS MAINT CO	213	183
TOTAL	541	535

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
M 936	1	1
M 927	1	1
M 109	3	3
M 1008	1	1
M 998	1	1
M 887	1	1
M 149	1	1
M 416	1	1

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER ROCK ISLAND, IL	4. PROJECT TITLE RESERVE CENTER ADDITION

5. PROGRAM ELEMENT 0505096N	6. CATEGORY CODE 171-15	7. PROJECT NUMBER P-076	8. PROJECT COST ($000) 3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RESERVE CENTER ADDITION	LS	-	-	2,227
TRAINING BUILDING	SF	16,447	100	(1,645)
COMBAT VEHICLE MAINT FAC	SF	5,934	98	(582)
SUPPORTING FACILITIES				638
OH TRAVELING CRANE	TN	25	-	(135)
ALTER EXIST INTERIOR	SF	1,220	67	(82)
DUEL FUEL CONVERSION	LS	-	-	(21)
ROADS, PARKING, SIDEWALKS	LS	-	-	(95)
UTILITIES	LS	-	-	(225)
WASHRACK	LS	-	-	(80)
SUBTOTAL				2,865
CONTINGENCY (5%)				143
TOTAL CONTRACT COST				3,008
SUPERVISION, INSPECTION & OVERHEAD (6%)				181
TOTAL REQUEST				3,189
TOTAL REQUEST (ROUNDED)				3,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction will be one and two story, steel and masonry frame structure with concrete floors and foundations, all to match existing buildings and be compatible with adjacent historical landmark, Rock Island Arsenal. The combat vehicle maintenance facility will include a machine shop and clean room for optical equipment.

11. REQUIREMENT: 53,266 SF ADEQUATE: 30,885 SF SUBSTANDARD: 0 SF

PROJECT: Construct an addition to existing building to provide sufficient training facilities for Naval and Marine Corps Reservists.

REQUIREMENT: To provide an adequate facility for a 400 man, Reserve center with full Shipboard Simulator (SBS) and Damage Control Trainer (DCT) supporting training of Naval and Marine Corps Reservists residing within a 75 mile radius of Rock Island, Illinois, as well as Reservists assigned to other Reserve centers of the readiness command which lack these devices.

CURRENT SITUATION: Space shortages exist for storage, administration, classroom, medical, and janitorial. Lockers, shower rooms, toilets, and training aids, are needed to support the DCT. The existing shop space has only 30 percent of the space needed to house the heavy automotive shop equipment needed to perform the assigned mission.

IMPACT IF NOT PROVIDED: Will be unable to adequately perform assigned missions, resulting in degradation of mobilization and readiness levels. Will be unable to meet assigned retention and recruiting levels because of lack of space to conduct operations.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER, ROCK ISLAND, IL		
4. PROJECT TITLE RESERVE CENTER ADDITION		5. PROJECT NUMBER P-076

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started..................	JUN 88
(b) Percent Complete as of January 1990..	65
(c) Date Design 35%......................	NOV 88
(d) Date Design Complete.................	JUN 90

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications..	(118)
(b) All Other Design Costs..................	(80)
(c) Total...................................	(198)
(d) Contract................................	(168)
(e) In-house................................	(30)

(4) Construction start.......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

S/N 0102-LF-001-3910 ★U.S. Government Printing Office: 1981—665-106/7300 3-1

1. COMPONENT NAVY	**FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER PEORIA, IL		4. AREA CONSTR COST INDEX 1.01

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

AIR NATIONAL GUARD
COAST GUARD
ARMY RESERVE
ARMY RECRUITING DISTRICT NAVY RECRUITING DISTRICT

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-15	RESERVE CENTER ADDITION	4,182 SF	800	3/88	8/89

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION 18 MAR 87
(Date)

9. LAND ACQUISITION REQUIRED NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

1. COMPONENT NAVY	FY 191 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS RESERVE CENTER, PEORIA, IL

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	24	2	22	NA	294	18	276
ACTUAL	23	4	19	NA	403	19	384

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR ADR 4 SAVANNAH 116	61	54
NR AD-43 CAPE COD 116	26	39
NR MOBASCONTGRP 1613	0	10
RNMCB 26 DET 1726	2	65
NR SIMA CHASN 616	21	26
NR NAVSTA PHARB SCR D 316	15	24
NR VOLTRAUNIT 1613	0	5
NR FH 250 CBTZ 7 DET K	20	46
NR NSD SUBIC DET C 1016	20	30
NR VTU LAW 1613	0	0
MR H&S CO/CO 6	3	1
MR ENG SUPPT CO/CO 6	9	9
MR CO C 4TH ENG SUPPT BN	117	94
TOTAL	294	403

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
D 1016	1	1
D 1158	2	2
D 1654	3	2
D 1072	4	4
D 1212	1	1
D 0209	1	1
D 0878	1	1
D 880	1	1
D 0235	1	1
D 0850	1	1
D 0860	1	2

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER, PEORIA, IL		
4. PROJECT TITLE RESERVE CENTER ADDITION		5. PROJECT NUMBER P-077

13. MAJOR EQUIPMENT AND AIRCRAFT CONTINUED:

TYPE	AUTHORIZED	ASSIGNED
B 2465	1	1
B 1080	1	1
B 2467	1	1
B 6445	1	1
B 2462	2	2
B 0214	1	1
B 2685	1	1
B 1620	1	1
B 0630	1	1
B 1800	0	1
B 1922	1	1

1. COMPONENT NAVY	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER PEORIA, IL	4. PROJECT TITLE RESERVE CENTER ADDITION

5. PROGRAM ELEMENT 0505096N	6. CATEGORY CODE 171-15	7. PROJECT NUMBER P-077	8. PROJECT COST ($000) 800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RESERVE CENTER ADDITION				514
BUILDING ADDITION	SF	4,182	89	(372)
ALTER EXISTING BUILDING	SF	2,835	50	(142)
SUPPORTING FACILITIES				206
UTILITIES				(80)
MECHANICAL				(20)
SITE IMPROVEMENTS				(41)
PARKING & SIDEWALKS				(40)
DEMOLITION				(25)
SUBTOTAL				720
CONTINGENCY (5%)				36
ESTIMATED CONSTRUCTION COST				756
SUPERVISION, INSPECTION & OVERHEAD (6)%				45
TOTAL REQUEST				801
TOTAL REQUEST (ROUNDED)				800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building addition to match existing permanent structure with an increase HVAC of ten tons.

11. REQUIREMENT: 31,156 SF ADEQUATE: 24,139 SF SUBSTANDARD: 2,835 SF

PROJECT: Construct a 4,182 square foot addition to the existing building to provide sufficient training facilities for Naval and Marine Corps Reservists. (Current Mission)

REQUIREMENT: To provide a Navy and small Marine unit Central Drill Site Reserve Center with Damage Control Training (DCT) the necessary space to support training of Navy Reservists residing within a 75 mile radius of Peoria, Illinois as well as Reservists assigned to other Reserve centers for the Readiness Command which lack these devices.

CURRENT SITUATION: Shortages exist in DCT, administrative, classrooms, medica, janitorial, female locker and showers, recruiting, training aids, and lockers and showers to support the DCT.

IMPACT IF NOT PROVIDED: Unable to adequately perform assigned missions thus resulting in degradation of mobilization readiness of assigned Reservists. Retention and recruiting may suffer due to cramped space.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER PEORIA, IL		
4. PROJECT TITLE RESERVE CENTER ADDITION		5. PROJECT NUMBER P-077

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. MAR 88
(b) Percent Complete as of January 1990.. 100
(c) Date Design 35%...................... JUL 88
(d) Date Design Complete................. AUG 89

(2) Basis: N/A
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (40)
(b) All Other Design Costs.................. (35)
(c) Total................................... (75)
(d) Contract................................ (58)
(e) In-house................................ (17)

(4) Construction start......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

1. COMPONENT NAVY	**FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
3. INSTALLATION AND LOCATION NAVAL RESERVE CENTER, TERRE HAUTE, IN		4. AREA CONSTR COST INDEX 1.02

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS ONE DRILL WEEKEND PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

INDIANA NATIONAL GUARD
ARMY NATIONAL GUARD
ARMY RESERVE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
171-15	RESERVE CENTER ADDITION	4,300 SF	620	4/87	8/89

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

RECOMMENDED FOR UNILATERAL CONSTRUCTION

8 OCT 87
(Date)

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

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1. COMPONENT	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL RESERVE CENTER, TERRE HAUTE, IN

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	6	1	5	0	121	8	113
ACTUAL	6	1	5	0	136	9	127

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NRPHIB CB DET 313	51	39
NR MOBASCONTGRP 1326	0	9
NR VOLTRAUNIT	0	2
NR WPNSTA CONCORD 913	55	70
NR NH GLAKES 1513	15	16
TOTAL	121	136

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
SEDAN	1	1
PICKUP	1	1

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL RESERVE CENTER, TERRE HAUTE, IN	4. PROJECT TITLE RESERVE CENTER ADDITION

5. PROGRAM ELEMENT 0505096N	6. CATEGORY CODE 171-15	7. PROJECT NUMBER P-019	8. PROJECT COST ($000) 620

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RESERVE CENTER ADDITION				383
BUILDING ADDITION	SF	4,300	89.00	(383)
SUPPORTING FACILITIES				175
UTILITIES	LS	-	-	(40)
SITE IMPROVEMENTS	LS	-	-	(30)
ALTER EXISTING INTERIOR	SF	900	50.00	(45)
ROAD/PARKING	LS	-		(40)
DEMOLITION				(20)
SUBTOTAL				558
CONTINGENCY (5%)				28
TOTAL CONTRACT COST				586
SUPERVISION, INSPECTION & OVERHEAD (6%)				35
TOTAL REQUEST				621
TOTAL REQUEST (ROUNDED)				620
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide a 1.5 story addition to match the existing permanent structure.

11. REQUIREMENT: 12,900 SF ADEQUATE: 8,600 SF SUBSTANDARD: 0 SF

PROJECT: Construct addition to an existing building to provide sufficient training facilities for Naval Reservists.

REQUIREMENT: To provide a Reserve Center with classroom, medical, administrative, and training space to accommodate the increased drilling population and adequately support the training requirements of those Reservists assigned within a 70 mile radius.

CURRENT SITUATION: The building, housing the present center, does not possess an assembly area nor sufficiently sized areas for administration, medical, janitorial, training aids, locker, shower and toilet functions to accommodate the increased numbers of Reservists now drilling at the center.

IMPACT IF NOT PROVIDED: Unable to adequately perform the assigned training mission due to crowded inefficent conditions. Retention and recruiting may suffer due to inadequate space.

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL RESERVE CENTER, TERRE HAUTE, IN

4. PROJECT TITLE RESERVE CENTER ADDITION	5. PROJECT NUMBER P-019

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started..................	APR 87
(b) Percent Complete as of January 1990..	100
(c) Date Design 35%......................	JUN 88
(d) Date Design Complete.................	AUG 89

(2) Basis:

(a) Standard or Definitive Design: Yes___ No X

(b) Where Design Was Most Recently Used: __________

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications..	(29)
(b) All Other Design Costs..................	(20)
(c) Total...................................	(49)
(d) Contract................................	(12)
(e) In-house................................	(37)

(4) Construction start.......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

S/N 0102-LF-001-3915 ☆U.S. Government Printing Office: 1981—689-155/7300 3-1

1. COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, NEW ORLEANS, LA		4. AREA CONSTR COST INDEX .94

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH AND TWO WEEKS ANNUAL ACTIVE DUTY

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

TWO NAVY
ONE N&MCRC

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-45	AVIONICS FACILITY	29,649 SF	3,200	7/88	6/90

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION MAY 88 (Date)

APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED NONE (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT NO.	TITLE	FY
P-352	ORDNANCE COMPLEX	92
P-389	TRAINING BLDG ADDITION	92
P-195	ARMING/DEARMING PAD	93
P-405	R/W T/W EXTENSION, 14-22	94

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1. COMPONENT	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, NEW ORLEANS, LA

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1330	158	957	215	1269	424	845
ACTUAL	1262	131	930	201	1048	355	693

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
NR NAS NEW ORLEANS 3682	34	32
NR CARRIER GROUP 0282	48	25
NR TRAWING 1 DET 182	24	19
NR TRAWING 5 DET 282	26	15
NR TRAWING 6 DET 382	14	13
NR VR COMPONENT 187	8	0
NR FLEET AIR MED 1082	25	22
NR CV-60 SARATOGA 0382	64	52
NR VA-2082	61	15
NR VP-5682	42	39
NR VR-24 COMP 182	6	5
NR ASWOC 682	28	21
VP-94	125	276
NR MOBMAINTFAC NOLA 0582	152	93
ATTACK SQUADRON 204	286	143
NR MOBASCONTGRP 8282	0	21

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
A-7E	12	12
P-3B	9	9
CT-39G	2	2
UC-12B	3	4
UH-1N	12	13

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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, NEW ORLEANS, LA		
4. PROJECT TITLE AVIONICS FACILITY		5. PROJECT NUMBER P-382

12. RESERVE UNIT DATA CONTINUED:

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR VOLTRAUNIT 8282	0	0
NR NADEP 0582	13	11
NR CTF 168 HQ 0310	21	18
NR NISRO 2310	12	9
NR NISRO 2182	12	9
NR NISRO 2210	12	12
NR FIRSTEURLNT 1282	51	43
NR FIRSTEURLNT 1182	55	45
NR VTU INTELLIGENCE 109	0	0
NR NISRO 2010	12	10
NR 4MAW MED HQ BR	13	8
NR 4MAW MED MAG 46 DET B	23	18
NR NORA NEW ORLEANS 1482	18	15
*HQ 4TH MAW DET A	58	59
*SMCR MOB CNTR AIR	26	0
	1269	1048

* MARINE CORPS UNITS

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION NEW ORLEANS, LOUISIANA	4. PROJECT TITLE AVIONICS FACILITY

5. PROGRAM ELEMENT 0505196N	6. CATEGORY CODE 211-45	7. PROJECT NUMBER P-382	8. PROJECT COST ($000) 3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIONICS FACILITY	SF	29,649	80	2,372
SUPPORTING FACILITIES				499
SPECIAL CONSTRUCTION FEATURES (PILES)	LS			(251)
UTILITIES	LS			(129)
PARKING AREAS & SIDEWALKS	LS			(100)
SITE IMPROVEMENTS	LS			(19)
SUBTOTAL				2,871
CONTINGENCY (5%)				144
TOTAL CONTRACT COST				3,015
SUPERVISION, INSPECTION & OVERHEAD (6%)				181
TOTAL REQUESTED				3,196
TOTAL REQUESTED (ROUNDED)				3,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pile-supported, concrete floor slab with steel-frame structure. Walls will be concrete block and brick veneer. Interior will provide different power requirements to various work stations. Air Conditioning 80 tons

11. REQUIREMENT: 30,885 SF ADEQUATE: 1,236 SF SUBSTANDARD: 12,260 SF

PROJECT: Construction of a new avionics building to replace the existing area located on the second floor of an aircraft maintenance hangar. (Current Mission)

REQUIREMENT: Provide adequate facilities for the maintenance of avionics systems of assigned aircraft.

CURRENT SITUATION: The current avionics spaces are located on the second floor of an aircraft maintenance hangar which contains less than half of the total space required to adequately perform the functions of an avionics shop supporting two squadrons. The location and space alloted is not sufficient for adequate maintenance of sophisticated aircraft electronic equipment. Currently used space will be used for needed training space.

IMPACT IF NOT PROVIDED: Avionics maintenance will continue to be performed in cramped spaces not adequate for the volume of the work to be performed. Operational readiness and aircraft availability is impacted by the inefficiencies of the existing operation.

☆ U.S. Government Printing Office: 1984—766-012/17914 2-1

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, NEW ORLEANS, LA		
4. PROJECT TITLE AVIONICS FACILITY		5. PROJECT NUMBER P-382

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. JUL 88
(b) Percent Complete as of January 1990.. 65
(c) Date Design 35%...................... SEP 89
(d) Date Design Complete................. JUN 90

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (160)
(b) All Other Design Costs.................. (110)
(c) Total.................................... (270)
(d) Contract................................. (235)
(e) In-house................................. (35)

(4) Construction start......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

1. COMPONENT NAVY	**FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
3. INSTALLATION AND LOCATION ARMED FORCES RESERVE CENTER, BANGOR, ME		4. AREA CONSTR COST INDEX .88

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS TWO DRILL WEEKENDS PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

AIR NATIONAL GUARD
ARMY RESERVE
ARMY NATIONAL GUARD

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-15	RESERVE TRAINING BUILDING	26,843 SF	1,815	6/88	10/89

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

APPROVED FOR JOINT CONSTRUCTION

14 SEP 87
(Date)

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

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1. COMPONENT		2. DATE
NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	

3. INSTALLATION AND LOCATION
ARMED FORCES RESERVE CENTER, BANGOR, ME

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	10	1	9	0	150	23	127
ACTUAL	10	1	9	0	189	25	164

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
NR AFDM-7 DET 301	38	35
NR MOBASCONTGRP 0102	0	10
RNMCB 27 DET 0827	2	32
NR COMSC MED 201	28	31
NR SECGRU BANGOR 201	16	15
NR VOLTRAUNIT 0102	0	2
NR NAVCOMMU CUTLER 101	27	47
NR NVSCGRACT WH BC 101	39	17
TOTAL	150	189

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
CARRYALL	1	1
SEDAN	1	1

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION ARMED FORCES RESERVE CENTER, BANGOR, ME	4. PROJECT TITLE RESERVE TRAINING BUILDING

5. PROGRAM ELEMENT 0505096N	6. CATEGORY CODE 171-15	7. PROJECT NUMBER P-001	8. PROJECT COST ($000) 1,815

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RESERVE TRAINING BUILDING				
RESERVE TRAINING BUILDING	SF	26,843	56.30	1,511
SUPPORTING FACILITIES				194
SUBTOTAL				1,705
CONTINGENCY (5%)				85
TOTAL CONTRACT COST				1,790
SUPERVISION, INSPECTION & OVERHEAD (6%)				25
TOTAL REQUESTED				1,815
TOTAL REQUESTED (ROUNDED)				1,815
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story, slab on grade, reinforced concrete and masonry building with steel roof framing, single play fire-rated roof on an insulated metal deck.

11. REQUIREMENT: 26,843 SF ADEQUATE: 0 SF SUBSTANDARD: 18,020 SF

PROJECT: Construct the Naval Reserve portion of an Armed Forces Reserve center jointly used with the Army Reserve and Maine Army National Guard. (Current Mission)

REQUIREMENT: Provides adequate facilities for the recruiting, administrative, and training support for approximately 200 drilling Naval Reservists in Bangor, Maine area.

CURRENT SITUATION: The existing Reserve center is located in buildings of semi-permanent (Quonset Hut) construction built in 1947. The facility interior is of wood construction in many areas and is not protected by sprinklers. The numerous windows are in poor condition and a source of high heat loss. The roof is starting to develop leaks and will need major repairs in the near future. There are numerous problems with the existing heating and utility system. Existing facility will be excessed upon completion of this project.

IMPACT IF NOT PROVIDED: Naval Reservists at Bangor, Maine, will continue to operate from substandard facilities that do not conform to present requirements. Additional funds will be required to keep operating the obsolete facilities.

S/N 0102-LF-001-3910
☆ U.S. Government Printing Office: 1984—789-012/17914 3-1

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ARMED FORCES RESERVE CENTER, BANGOR, ME		
4. PROJECT TITLE RESERVE TRAINING BUILDING		5. PROJECT NUMBER P-001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. JUN 88
(b) Percent Complete as of January 1990.. 100
(c) Date Design 35%..................... SEP 88
(d) Date Design Complete................. OCT 89

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (120)
(b) All Other Design Costs................. (45)
(c) Total................................. (165)
(d) Contract.............................. (150)
(e) In-house.............................. (15)

(4) Construction start......................... NOV 89

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

1. COMPONENT	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
NAVAL AIR STATION, SOUTH WEYMOUTH	1.24

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH AND TWO WEEKS ANNUAL ACTIVE DUTY

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

TWO N&MCRC
THREE ARMY
ONE COAST GUARD

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
141-25	FIRE STATION ADDITION	6,119 SF	780	6/88	8/89

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

JUL 88
(Date)

APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT NO.	TITLE	FY
P-172	BEQ	93
P-240	PUBLIC WORKS BUILDING	94

DD FORM 1 MAY 78 1390s
S/N 0102-LF-001-3906 Page 1 of 2

1. COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, SOUTH WEYMOUTH, MA

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1232	95	927	210	2374	527	1847
ACTUAL	1188	74	904	210	2039	444	1595

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
NR NAS BRUNSWICK 4291	35	25
NR NAS SO WEYMOUTH 1291	12	9
NR FLTMARPAT MMF B 0191	142	90
NR NAVSTA ROTA 0391	200	151
NR AIR MAT OFF DET 291	0	0
NR CV-67 JF KENNEDY 0191	166	63
NR VP MAU BRUNSWICK 0191	321	176
NR VR COMPONENT 691	8	6
NR ASWOC 191	48	18
NR ASWOC 791	72	46
VP-92	126	238
HELO ANTI-SUBRON LT 74	168	126
NR MOBASCONTGRP 9191	0	23
NR VOLTRAUNIT 9191	0	0
NR NAVAIRSYS 0891	27	13
NR NAVAIRSYS 1391	11	6

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
P-3B	9	9
SH-2F	8	8
UC-12B	1	1
A-4M	12	14
TA-4F	1	2
UH-1N	6	8

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT	FY 19 91 ___ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, SOUTH WEYMOUTH, MA

4. PROJECT TITLE

FIRE STATION ADDITION

5. PROJECT NUMBER

P-059

12. RESERVE UNIT DATA CONTINUED:

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR VTR AIRSYSCOM 591	0	0
NR NAVPRO STRATFORD 0291	11	10
NR NAVPRO LYNN 0391	6	5
*****914C511*****	0	2
NR NISCPROD 202	14	14
NR NIPSSA 0391	24	18
NR NISRO 0301	12	11
NR NISRO 0201	10	3
NR FIRSTEURLNT 191	56	47
NR FIRSTEURLNT 291	54	47
NR VTU INTELLIGENCE 101	0	0
NR NAS SWEY MED/DEN 0191	15	13
NR NAVMED NAS BURNS 0191	18	15
NR 4MAW MED MAG 49 DET A	10	9
NR NORA SO WEYMOUTH 1091	21	20
*H*MS 49 DETA	116	102
*HML 771	59	99
*VMA 322	86	132
*H&MS 42 DET D	65	67
*MABS 42 DET A	90	111
*MASS 6	174	143
*WES 47 DET A	184	168
4TH FSSG DET E	13	13
TOTAL	2374	2039

* MARINE CORPS UNITS

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

☆U.S. Government Printing Office: 1981—[illegible]

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, SOUTH WEYMOUTH, MA	4. PROJECT TITLE FIRE STATION ADDITION

5. PROGRAM ELEMENT 0505196N	6. CATEGORY CODE 141-25	7. PROJECT NUMBER P-059	8. PROJECT COST ($000) 780

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE STATION ADDITION	LS			581
BUILDING	SF	6,119	95	(581)
SUPPORTING FACILITIES	LS	-	-	119
ALTER EXISTING BUILDING	SF	850	50	(42)
DEMOLITION	LS	-	-	(10)
UTILITIES	LS	-	-	(32)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(35)
SUBTOTAL				700
CONTINGENCY (5%)				35
TOTAL CONTRACT COST				735
SUPERVISION, INSPECTION & OVERHEAD (6%)				44
TOTAL REQUEST				779
TOTAL REQUEST (ROUNDED)				780
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One story concrete block addition to the existing fire station with concrete slab on grade and flat roof. Utility connections, automatic sprinkler system, and site improvements are included, as are alterations to the existing building. Air conditioning will also be provided.

11. REQUIREMENT: 12,708 SF ADEQUATE: 6,589 SF SUBSTANDARD: 0 SF

PROJECT: Provide an addition and alterations to the existing fire station in order to make it a combined structural/aircraft, fire/rescue station. (Current Mission)

REQUIREMENT: Provide additional space to accomodate nine pieces of fire fighting equipment and properly house on-duty crew.

CURRENT SITUATION: Present fire station spaces are severely overcrowded for both personnel and equipment. As many as five personnel are berthed in rooms designed for two people. Two vehicles are exposed to the weather all year round and must be winterized (drained of water) during the cold months.

IMPACT IF NOT PROVIDED: The existing fire station will continue to be overcrowded causing inefficient operations, safety, and health violations.

ADDITIONAL: An economic analysis has not been prepared as there is no alternative to satisfy the deficiency.

S/N [illegible]
U.S. Government Printing Office: [illegible]

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, SOUTH WEYMOUTH, MA		
4. PROJECT TITLE FIRE STATION ADDITION		5. PROJECT NUMBER P-059

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. JUN 88
(b) Percent Complete as of January 1990.. 100
(c) Date Design 35%...................... NOV 88
(d) Date Design Complete................. AUG 89

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (45)
(b) All Other Design Costs.................. (45)
(c) Total................................... (90)
(d) Contract................................ (70)
(e) In-house................................ (20)

(4) Construction start.......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

1. COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER CINCINNATI, OH		4. AREA CONSTR COST INDEX 1.01

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS TWO DRILL WEEKENDS PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

ARMY RESERVE (4 INSTALLATIONS)
COAST GUARD
AIR FORCE NATIONAL GUARD
ARMY NATIONAL GUARD

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
117-15	RESERVE CENTER ADDITION	7,002 SF	1,200	3/88	9/89

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

7 JUN 88
(Date)

APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

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1. COMPONENT		2. DATE
NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS RESERVE CENTER, CINCINNATI, OH

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	39	5	33	1	594	83	511
ACTUAL	36	5	30	1	716	98	618

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR AR-5 VULCAN DET 405	48	83
NR DDG-40 COONTZ 4005	68	69
NR CARGO HDBN 9 DET E 105	31	29
NR 4 FSSG MDBN HSPCODET 3	25	21
NR MOBASCONTGRP 0504	0	20
RNMCB 20 DET 0320	2	59
NR CONVCOM BOS/PLM/PRT 105	49	44
NR SECGRU CINCINNATI 305	17	17
NR VOLTRAUNIT 0504	0	6
NR WPNSTA EARLE 205	51	48
NR NAVSEADET 705	14	15
NR WPSTA YORKTOWN 1505	34	42
NR PERSMOBTM 605	27	31
NR NH PTSMTH 1505	50	56
NR LEGFUNCTSUP 105	6	9

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
M 100 8	1	1
M 1038	1	1
M 998	4	4
M 936	1	1
M 813A1	6	6
M 36A2	1	1
M 762	5	5
M 353	4	4
M 105	3	3
M 998 RV	9	9

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS RESERVE CENTER, CINCINNATI, OH

4. PROJECT TITLE RESERVE CENTER ADDITION	5. PROJECT NUMBER P-554

12. RESERVE UNIT DATA CONTINUED.

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR VTU LAW 0501	0	3
MRCOMM CO/HQBN	3	1
MR SVC CO	1	0
MR HQ BN	168	163
TOTAL	594	716

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S/N 0102-LF-001-3910

☆U.S. Government Printing Office: 1981—355-196/7300 2-1

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER CINCINNATI, OH	4. PROJECT TITLE RESERVE CENTER ADDITION

5. PROGRAM ELEMENT 05050096N	6. CATEGORY CODE 171-15	7. PROJECT NUMBER P-554	8. PROJECT COST ($000) 1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RESERVE CENTER ADDITION	LS	-	-	658
RESERVE TRAINING BUILDING	SF	7,002	94	(658)
SUPPORTING FACILITIES				421
ELECTRICAL UTILITIES	LS	-	-	(60)
MECHANICAL UTILITIES	LS	-	-	(69)
ROADS PAVING & SIDEWALKS	LS	-	-	(86)
SITE IMPROVEMENTS	LS	-	-	(56)
MODIFICATIONS TO EXISTING BUILDING	LS	-	-	(150)
SUBTOTAL				1079
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				1,133
SUPERVISION, INSPECTION & OVERHEAD (6%)				68
TOTAL REQUEST				1,201
TOTAL REQUEST (ROUNDED)				1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct an addition to the existing two floor, reinforced concrete building, including footings, brick, built-up roof, utilities and paving. Modify the existing building and alter the HVAC system to accomodate the new addition.

11. REQUIREMENT: 38,500 SF ADEQUATE: 31,498 SF SUBSTANDARD: 0 SF

PROJECT: Construct a new addition to the existing Reserve Center.

REQUIREMENT: Adequate facilities for the recruiting, administration, and training support of approximately 500 Naval Reservists and approximately 150 Marine Corps Reservists drilling in the Cincinnati, Ohio area. (Current Mission)

CURRENT SITUATION: The existing Naval & Marine Corps Reserve Center is located in a building built in 1983. Since the project was completed the Naval Reserve drill strength has increased from 300 to 500 and the Marine Corps has increased the storage space requirements. The increase in requirements has made the facility too small to adequately support the assigned units.

IMPACT IF NOT PROVIDED. Naval & Marine Corps Reservists at Cincinnati, Ohio will continue to operate from crowded, undersized facilities that do not conform to present requirements, creating less effective training.

1. COMPONENT
NAVY

FY 19 91 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER, CINCINNATI, OH

4. PROJECT TITLE
RESERVE CENTER ADDITION

5. PROJECT NUMBER
P-554

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. MAR 88
(b) Percent Complete as of January 1990.. 100
(c) Date Design 35%..................... AUG 88
(d) Date Design Complete................ SEP 89

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (57)
(b) All Other Design Costs.................. (40)
(c) Total................................... (97)
(d) Contract................................ (79)
(e) In-house................................ (18)

(4) Construction start......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

1. COMPONENT NAVY	**FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, WILLOW GROVE, PA		4. AREA CONSTR COST INDEX 1.02

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH AND TWO WEEKS ANNUAL ACTIVE DUTY

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

SEVEN NAVY
NINE ARMY
TWO MARINE CORPS

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218-60	GROUND SUPPORT EQUIPMENT FACILITY	10,500 SF	1,220	4/88	10/89

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

AUG 88
(Date)

APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT NO.	TITLE	FY
P-164	POV PARKING	94
P-206	AIRCRAFT PARKING APRON	95

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PAGE NO 51

1. COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, WILLOW GROVE, PA

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1308	93	998	217	3227	745	2482
ACTUAL	1372	80	1083	209	2387	610	1777

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR LANTFLT AVU 193	45	18
NR NAS BERMUDA 0693	66	59
NR NAS WILLOW GROVE 1993	38	31
NR NAS GTMO BAY 0193	34	23
NR NS ROOSEVELT ROADS 0193	29	0
NR NAS LAJES 0193	72	55
NR NAVSTA KEFLEVIK 0293	206	116
NR CV-66 AMERICA 0193	311	108
NR CVN-70 VINSON 0193	118	67
NR CV-43 CORAL SEA 0293	123	31
NR CVN-71 ROOSEVELT 0193	106	0
NR PATROL WING 593	22	16
NR NAVAIRLANT DET 293	20	18
NR CMSRF SIXTH FLT 193	24	21
NR VR COMPONENT 793	9	6

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
DC-9	2	2
P-3A	18	20
SH-2F	8	8
UC-12B	1	2
A-4M	12	15
TA-4J	0	2
CH-53A	6	7

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, WILLOW GROVE, PA		
4. PROJECT TITLE GROUND SUPPORT EQUIPMENT FACILITY		5. PROJECT NUMBER P-21

12. RESERVE UNIT DATA CONT'D.

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
VP-64	311	265
VP-66	125	155
VR-52	122	108
HSL-94	159	114
NR MOBASCONTGRP 9393	0	35
NR VOLTRAUNIT 9393	0	0
NR NADC WARMINSTER 0293	13	0
NR NADC WARMINSTER 0193	43	15
NR NATC NAS PAX RIVER 0193	99	64
NR VTU AIRSYSCOM 493	0	0
NR NAVAIRSYSCOM 0993	18	5
NR NAVOPINTCEN 0102	46	21
NR NISRO 0502	13	11
NR NAVOPINTCEN 0402	29	20
NR NISCPROD 0104	15	13
NR NISCSYSSUP 0102	28	17
NR NISRO 0602	21	18
NR NISRO 0893	18	16
NR FIRSTEURLANT 593	51	45
NR FIRSTEURLANT 693	53	45
NR FIRSTEURLANT 302	51	29
NR DIAHQ 193	20	16
NR NAVOPINTCEN 0293	32	29
NR VTU INTELLIGENCE 104	0	0
NR VTU INTELLIGENCE 102	0	0
NR CTF 168 0102	22	13
NR BRDCL 0193	13	6
NR BRMEDCL 0193	14	12
NR 4MAW MED MAG 49	30	23
NR NORA WILLOW GROVE 1093	18	13
NR NORA WILLOW GROVE 1193	21	15
*H&MS 49	185	151
*HMH 772	69	117
*MABS 49	144	183
*VMA 131	98	137
*H&MS 42 DET E	45	47
*MATCS 48 DET B	78	59
TOTAL	3227	2387

* MARINE CORPS UNITS

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, WILLOW GROVE, PA	4. PROJECT TITLE GROUND SUPPORT EQUIPMENT FACILITY

5. PROGRAM ELEMENT 0505196N	6. CATEGORY CODE 218-60	7. PROJECT NUMBER P-213	8. PROJECT COST ($000) 1,220

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GROUND SUPPORT EQUIPMENT FACILITY	LS	10,500		843
GROUND SUPPORT EQUIPMENT FACILITY (218-60)	SF	(10,500)	80.31	(843)
SUPPORTING FACILITIES		-	-	258
ELECTRICAL UTILITIES	LS	-	-	(30)
MECHANICAL UTILITIES	LS	-	-	(12)
PAVING & SITE IMPROVEMENTS	LS	-	-	(90)
DEMOLITION	LS	-	-	(71)
BUILT-IN EQUIPMENT	LS	-	-	(55)
SUBTOTAL				1,101
CONTINGENCY (5%)				55
TOTAL CONTRACT COST				1,156
INSPECTION & OVERHEAD (6%)				69
TOTAL REQUEST				1,225
TOTAL REQUEST (ROUNDED)				1,220
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

The aircraft ground support equipment (GSE) maintenance facility will be steel framed and CMU; built to OSHA standards with regard to utilities and special built-in aircraft maintenance equipment, including a battery shop. The proposed construction will also provide a fire pump, sprinkler protection, parking lot, and driveway. The present, inadequate GSE shop will be demolished.

11. REQUIREMENT: 10,500 SF ADEQUATE: 0 SF SUBSTANDARD: 12,485 SF

PROJECT: To provide an Aircraft GSE Maintenance Facility fully equipped to efficiently maintain and repair ground support equipment in support of high performance aircraft assigned to the Air Station. (Current Mission)

REQUIREMENT: Intermediate level maintenance is performed in this shop on all GSE items such as aircraft tow tractors, trucks, fork lifts, compressors, electrical power generators, aircraft ground starters, hydraulic power carts, and repair stands. It provides protective shelter for GSE equipment awaiting, and undergoing, intermediate level maintenance.

CURRENT SITUATION: The project involves the construction of a new building to replace the present World War II facility which must be demolished to accomodate the siting of a future aircraft parking apron, and is in violation of the airfield safety criteria. The GSE facility is about one mile away from the Hangar facilities it serves resulting in inefficient work flow and lack of coordination between shops.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910
★ U.S. Government Printing Office: 1984—765-012/17914 3-1

1. COMPONENT
NAVY

FY 19 91 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, WILLOW GROVE, PA

4. PROJECT TITLE
GROUND SUPPORT EQUIPMENT FACILITY

5. PROJECT NUMBER
P-213

11. (Continued)

IMPACT IF NOT PROVIDED: Continued dispersed functions will limit the station's ability to accomplish assigned mission. Violations of the Air Safety Criteria will continue and the aircraft parking apron can not be constructed. The GSE will continue to be exposed to the elements.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. APR 88
(b) Percent Complete as of January 1990.. 35
(c) Date Design 35%...................... SEP 88
(d) Date Design Complete................. NOV 90

(2) Basis:
(a) Standard or Definitive Design: Yes X No ___
(b) Where Design Was Most Recently Used: NAVFAC DEFINITIVE

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (66)
(b) All Other Design Costs.................. (45)
(c) Total.................................... (111)
(d) Contract................................. (86)
(e) In-house................................. (25)

(4) Construction start......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

1. COMPONENT NAVY	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER HARRISBURG, PA		4. AREA CONSTR COST INDEX .88

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

REGULAR NAVY
REGULAR ARMY
PENNSYLVANIA NATIONAL GUARD
AIR FORCE RESERVE
PENNSYLVANIA AIR NATIONAL GUARD

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-15	RESERVE CENTER ADDITION	19,600 SF	2,400	12/87	12/89

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

12 JUN 87
(Date)

APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

DD FORM 1 MAY 78 1390s
S/N 0102-LF-001-3900 Page 1 of 2

1. COMPONENT	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER, HARRISBURG, PA

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	17	2	15	0	628	36	592
ACTUAL	17	2	15	0	525	44	481

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR DDG-4 LAWRENCE 404	58	73
NR CARGO HD BN 8 DET C 804	16	22
NR 4 MARDIV 2/25 DET E	11	7
NR MOBASCONTGRP 0406	0	12
RNMCB 21 DET 0321	1	66
NR SIMA NORVA 2104	80	79
NR NAVACTS UK 504	21	29
NR VOLTRAUNIT 0406	0	6
NR NAVCOMSTA PR 104	20	24
NR NDCL NORVA 104	0	0
NR FH 500 CBTZ 20 DET D	59	34
NR FH 500 CBTZ 20 CBHU	159	17
NR SPCC MECH 104	28	34
MR H&S CO 2/25	2	0
MR E CO 2/25	173	122
TOTAL	628	525

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
M 998	2	2
SEDAN	1	1

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
[illegible] 77

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER HARRISBURG, PA	4. PROJECT TITLE RESERVE CENTER ADDITION

5. PROGRAM ELEMENT 0505096N	6. CATEGORY CODE 171-15	7. PROJECT NUMBER P-551	8. PROJECT COST ($000) 2,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RESERVE CENTER ADDITION				1,832
BUILDING ADDITION	SF	19,600	89	(1,744)
ALTER EXISTING BUILDING	LS			(88)
SUPPORTING FACILITIES				320
UTILITIES	LS	-	-	(130)
SITE IMPROVEMENTS	LS	-	-	(70)
ROADS, PARKING, SIDEWALKS	LS	-	-	(120)
SUBTOTAL				2,152
CONTINGENCY (5%)				108
TOTAL CONTRACT COST				2,260
SUPERVISION, INSPECTION & OVERHEAD (6%)				136
TOTAL REQUEST				2,396
TOTAL REQUEST (ROUNDED)				2,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a two story addition to the existing Reserve center. Addition will be compatible with existing structure, and will be built for energy conservation and low maintenance costs.

11. REQUIREMENT: 40,974 SF ADEQUATE: 0 SF SUBSTANDARD: 21,374 SF

PROJECT: To construct an addition to the Reserve Center to provide adequate facilities for Naval and Marine Corps Reserve personnel. (Current Mission)

REQUIREMENT: To provide adequate facilities for the recruiting, administration, and training of approximately 300 Naval and 150 Marine Corps Reservists currently drilling at Harrisburg.

CURRENT SITUATION: The existing Reserve center is too small to accommodate the growth of the Army, Navy, and Marine Corps Reserve at Harrisburg, Pennsylvania. The Navy and Marine Corps are tenants of the Army Reserve at Harrisburg. Due to an increase in personnel and reserve units, the Navy and Marine Corps Reserve are short of space at Harrisburg.

IMPACT IF NOT PROVIDED: The growth of Reserve personnel assigned will be curtailed. Mobilization readiness training on site will continue to be severely restricted. Efficiency and economy of joint use facilities will not be realized.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER, HARRISBURG, PA

4. PROJECT TITLE RESERVE CENTER ADDITION	5. PROJECT NUMBER P-551

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. DEC 87
(b) Percent Complete as of January 1990.. 100
(c) Date Design 35%...................... JUN 88
(d) Date Design Complete................. DEC 89

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (120)
(b) All Other Design Costs.................. (50)
(c) Total................................... (170)
(d) Contract................................ (10)
(e) In-house................................ (160)

(4) Construction start......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

1. COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, DALLAS, TX		4. AREA CONSTR COST INDEX .93

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH AND TWO WEEKS ANNUAL ACTIVE DUTY

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

ONE NAVY
ONE ARMY

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218-60	GROUND SUPPORT EQUIPMENT FACILITY	24,025 SF	1,640	6/88	7/89
141-87	LIQUID OXYGEN/NITROGEN	2,704 SF	650	6/88	6/89

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

MAY 88
(Date)

APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT NO.	TITLE	FY
P-330	LAND PURCHASE	92

DD FORM 1 MAY 78 1390s
S/N 0102-LF-001-3906 Page 1 of 2

1. COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, DALLAS, TX

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1096	62	824	210	2329	627	1702
ACTUAL	1216	92	926	198	1834	540	1294

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
NAS NORTH ISLAND D 170	121	54
NAS MIRAMAR 170	155	78
NAS KEY WEST 170	89	62
****700E036****	0	2
CARRIER GROUP 0170	38	27
CARRIER GROUP 770	38	30
TRAWING 2 DET 170	24	23
TRAWING 3 DET 270	24	22
TRAWING 4 DET 370	9	11
CV064 CONSTELLATION 170	193	63
COMFAIRWESTPAC 0170	88	74
CV-66 AMERICA 0270	75	27
VR-24 COMP 270	11	10
VR-59	33	142
VR-201	174	143

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-14A	24	18
C-9B	3	3
A-4M	0	3
TA-4J	0	1
UC-12B	1	1
CH-53A	6	7
F-4S	12	14

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
[illegible]-PP-No 77

1. COMPONENT NAVY	FY 19 91 ___ MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, DALLAS, TX

4. PROJECT TITLE LIQUID OXYGEN/NITROGEN FACILITY & GROUND SUPPORT EQUIPMENT FACILITY	5. PROJECT NUMBER P-319 P-208

12. RESERVE UNIT DATA CONT'D.

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
VF-202	179	150
MOBASCONTGRP 7070	0	6
VOLTRAUNIT 7070	0	0
NAVAIRSYS 0570	24	13
NAVAIRSYS 0770	40	22
NAVWEAPEVALFAC 0170	15	11
VTU AIRSYSCOM 0970	0	0
NAVPRO DALLAS 0470	6	6
US CINCSOUTH 0111	19	14
US CINCSOUTH 0270	34	26
DIAHQ 0670	21	18
NISCPROD 711	13	12
FIRST PAC 370	51	44
FIRST PAC 470	50	41
FIRST PAC 1070	50	39
VTU INTELLIGENCE 111	0	0
NICHQ DET 0170	19	10
NICHQ 0170	33	24
NAVOPINTCEN 0770	26	19
NAS DALLAS MED/DEN 0170	6	5
NAS KINGSVILLE MED 0170	17	15
4MAW MED MAG 41	29	30
NORA DALLAS 1570	19	19
*H&MS 41	247	199
*VMFA 112	142	101
*MABS 41	119	116
*HMH 772 DET B	60	84
*H&MS 49 DET D	38	42
TOTAL	2329	1834

* MARINE CORPS UNITS

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

☆ U.S. Government Printing Office: 1981—000-100/7300 3-1

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION; DALLAS, TX	4. PROJECT TITLE GROUND SUPPORT EQUIPMENT FACILITY

5. PROGRAM ELEMENT 0505196N	6. CATEGORY CODE 218-60	7. PROJECT NUMBER P-208	8. PROJECT COST ($000) 1,640

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT GROUND SUPPORT EQUIPMENT FACILITY	LS			1,289
AIRCRAFT GROUND SUPPORT EQUIPMENT SHOP	SF	9,400	78	(733)
GROUND SUPPORT EQUIPMENT HOLDING SHED	SF	14,625	38	(556)
SUPPORTING FACILITIES				181
SPECIAL CONSTRUCTION FEATURES (DRILLED PIERS)	LF	3,000	16.00	(48)
UTILITIES	LS			(80)
DEMOLITION	LS			(53)
SUBTOTAL				1,470
CONTINGENCY (5%)				73
TOTAL CONTRACT COST				1,543
SUPERVISION, INSPECTION & OVERHEAD (6%)				93
TOTAL REQUEST				1,636
TOTAL REQUEST (ROUNDED)				1,640
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide a steel framed and CMU building constructed to OSHA standards with required utilities, and built-in special aircraft maintenance ground support equipment; including a battery shop. Two inadequate buildings currently used for GSE will be demolished. Office spaces will be air conditioned, estimated A/C is 3 tons.

11. REQUIREMENT: 24,025 SF ADEQUATE: 0 SF SUBSTANDARD: 15,893 SF

PROJECT: Provide an aircraft Ground Support Equipment (GSE) maintenance shop and holding shed fully equipped to efficiently and safely, maintain and repair GSE.

REQUIREMENT: Intermediate level maintenance is performed in this shop on all GSE such as aircraft tow tractors, trucks, fork lifts, compressors, electrical power generators, ground starters, hydraulic power carts, wing jacks, and A.C. repair stands. GSE supports the ground maintenance of all aircraft assigned to the station as well as transient aircraft. The GSE holding shed provides protective cover for GSE, awaiting, and undergoing maintenance, and is integral to the GSE shop.

CURRENT SITUATION: The present GSE shop and holding shed are located in buildings constructed in 1942. Economic analysis has determined that repair costs far exceed building replacement costs. Also, only 5,487 SF of the required 14,625 SF holding shed exists, leaving a 9,138 SF deficiency, thus forcing expensive equipment to be exposed to the elements.

IMPACT IF NOT PROVIDED: Lost efficiency, ineffective GSE maintenance, OSHA violations, and excessive preventive maintenance cost will continue. Equipment will continue to be exposed to the elements.

☆ U.S. Government Printing Office: 1984—706-012/17914 2-1

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, DALLAS, TX		
4. PROJECT TITLE GROUND SUPPORT EQUIPMENT FACILITY		5. PROJECT NUMBER P-208

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. JUN 88
(b) Percent Complete as of January 1990.. 100
(c) Date Design 35%...................... NOV 88
(d) Date Design Complete................. JUL 89

(2) Basis:
(a) Standard or Definitive Design: Yes X No ___
(b) Where Design Was Most Recently Used: NAVFAC DEFINITIVE

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (72)
(b) All Other Design Costs.................. (73)
(c) Total................................... (145)
(d) Contract................................ (115)
(e) In-house................................ (30)

(4) Construction start........................ NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

☆U.S. Government Printing Office: 1981—666-106/7300 3-1

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, DALLAS, TX	4. PROJECT TITLE LIQUID OXYGEN/NITROGEN FACILITY

5. PROGRAM ELEMENT 0505196N	6. CATEGORY CODE 141-87	7. PROJECT NUMBER P-319	8. PROJECT COST ($000) 650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LIQUID OXYGEN/NITROGEN FACILITY	SF	2,704	90	243
SUPPORTING FACILITIES				337
SPECIAL CONSTRUCTION FEATURE (DRILLED PIERS)	LS			(35)
STORAGE TANKS AND PIPING	LS			(45)
UTILITIES	LS			(100)
CONCERETE PAVEMENT	LS			(83)
SITE IMPROVEMENTS	LS			(58)
DEMOLITION	LS			(16)
SUBTOTAL				580
CONTINGENCY (5%)				29
TOTAL CONTRACT COST				609
SUPERVISION, INSPECTION & OVERHEAD (6%)				37
TOTAL REQUEST				645
TOTAL REQUEST (ROUNDED)				650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

The facility will be constructed of concrete masonry unit walls on concrete grade beams supported by drilled piers with an insulated built-up roof supported by open web-steel joists. The facility will include a transfer shop, a maintenance shop, office space, and toilet facilities. The facility will be complete with mechanical, electrical, parking, access drives, 4,000 gallon LOX and 2,000 gallon nitrogen tanks. The facility will be air conditioned. The existing LOX facility will be demolished.

11. REQUIREMENT: 2,704 SF ADEQUATE: 0 SF SUBSTANDARD: 884 SF

PROJECT: This project will provide a new liquid oxygen/nitrogen facility.

REQUIREMENT: Naval Air Station Dallas directly supports 42 aircraft plus an average daily rate of 10 transient aircraft, all requiring LOX.

CURRENT SITUATION: The station is presently supplying the required LOX and nitrogen from an 884 square foot facility which fails to meet current OSHA standards since it is sited too close to the fuel farm and the fire station.

IMPACT IF NOT PROVIDED: Without the proposed new facility, the station would be required to continue operation of the present facility in a dangerous location. This could have disastrous consequences should an accident occur.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102 LF 001 3010
☆ U.S. Government Printing Office: [illegible]

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, DALLAS, TX

4. PROJECT TITLE LIQUID OXYGEN/NITROGEN FACILITY	5. PROJECT NUMBER P-319

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started..................	JUN 88
(b) Percent Complete as of January 1990..	100
(c) Date Design 35%.....................	OCT 88
(d) Date Design Complete................	JUN 89

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X___
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications..	(24)
(b) All Other Design Costs..................	(30)
(c) Total...................................	(54)
(d) Contract................................	(40)
(e) In-house................................	(14)

(4) Construction start......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility Planning and Design Guide."

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3919

☆U.S. Government Printing Office: 1981—686-166/7300 3-1

1. COMPONENT NAVY	**FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
3. INSTALLATION AND LOCATION NAVAL & MARINE CORPS RESERVE READINESS CENTER, HOUSTON, TX		4. AREA CONSTR COST INDEX .91

5. FREQUENCY AND TYPE UTILIZATION

FIVE DAYS PER WEEK BY FULL TIME PERSONNEL

TWO WEEKENDS PER MONTH BY RESERVE PERSONELL

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

U. S. ARMY RESERVE NOW AT N&MCRRC, HOUSTON, TX

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-15	READINESS CENTER ADDITION	34,795 SF	3,600	9/89	10/90

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

12 Dec 88
(Date)

9. LAND ACQUISITION REQUIRED

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

DD FORM 1 MAY 78 1390s
S/N 0102-LF-001-3906 Page 1 of 2

1 COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE

3 INSTALLATION AND LOCATION
NAVAL & MARINE CORPS RESERVE READINESS CENTER, HOUSTON, TX

11 PERSONNEL STRENGTH AS OF 1 MAY 89

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	78	9	66	3	1312	305	1007
ACTUAL	73	9	62	2	1717	334	1383

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR AS-27 DIXON DET 3710	65	87
NR COMSUBRON 1 110	18	32
NR MOMAG DET 1310	10	12
NR AD-43 CAPE CPD 0510	44	94
NR AFDM-14 STEAFAST 1410	15	0
NR CARGO HDBN 13 DET D 110	27	50
NR 4THMARDIV 1/23	32	40
NR MOBASCONTGRP 1007	0	59
NR CNAVEUR ACOS/CM DET C	7	7
RNMCB 28 DET 1528	1	104
COOPMINEUNIT 2215	35	39
NR VTU MSC 1007	0	0
NR MSCO GULF 110	61	56
NR NSCO TEX/CHILE 210	105	109
NR SIMA CHASN 110	28	83
NR SECGRU HOUSTON 310	23	25
NR VTU 1007	0	37

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
16 AAV'S @ 75 SY/U	16	16
19 UNITS @ 50 SY/U	19	19

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL & MARINE CORPS RESERVE READINESS CENTER, HOUSTON, TX

4. PROJECT TITLE
READINESS CENTER ADDITION

5. PROJECT NUMBER
P-065

12. RESERVE UNIT DATA (CONTINUED)

NR PMS WASH 210	4	5
NR WEAPSYSENGSTA PTHU 0510	23	18
NR NSY LONG BEACH 410	13	13
NR NAVCOMSTA PHIL 510	26	34
NR PERSMOBTM 1510	28	33
NR NH CORPUS 410	128	175
NR MED IMA 6201	61	1
NR MEDICAL UNIT P6201	35	16
NR MEDICAL UNIT P6202	2	0
NR MEDICAL UNIT P6203	32	48
NR MEDICAL UNIT P6205	2	2
NR ABFC FFTU 210 HQ	42	73
NR NAVPETOFF FLT DET 210	14	16
NR ONR/NRL TECH 410	17	14
NR OI DET 310	8	9
NR EFD PAC DET A	10	8
NR FLTSUPTRA 1610	17	20
MARINE CORPS CO.	379	398
	1,312	1,717

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102 LF-001-3915

☆U.S. Government Printing Office: 1981—680-100/7300 3-1

1. COMPONENT
NAVY

FY 1991 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL & MARINE CORPS RESERVE READINESS CENTER, HOUSTON, TX

4. PROJECT TITLE
READINESS CENTER ADDITION

5. PROGRAM ELEMENT
0505096N

6. CATEGORY CODE
171-15

7. PROJECT NUMBER
P-065

8. PROJECT COST ($000)
3,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RESERVE CENTER ADDITION	LS			2,679
TRAINING BUILDING ADDITION	SF	34,795	77	(2,679)
SUPPORTING FACILITIES ESTIMATE				550
UTILITIES: WATER, SEWER, GAS, ELEC	LS			(386)
POV & MILITARY PARKING	SY	6,154	18	(111)
SITE IMPROVEMENTS	LS			(53)
SUBTOTAL				3,229
CONTINGENCY (5%)				161
TOTAL CONTRACT COST				3,390
SUPERVISION, INSPECTION & OVERHEAD (6%)				203
TOTAL REQUEST				3,593
TOTAL REQUEST (ROUNDED)				3,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Addition to be a two story steel/masonry facility with concrete floors and sloped roof to match existing building. Air conditioning 65 ton.

11. REQUIREMENT: 94,353 SF ADEQUATE: 59,558 SF SUBSTANDARD: 0 SF

PROJECT: This project provides permanent training facilities for Navy and Marine Corps Reserves. (Current Mission)

REQUIREMENT: Provide the training spaces identified as a shortfall for a 1,400 man Naval and Marine Corps Reserve Center (N&MCRC). It will provide the necessary administrative, classroom, and indoor training space needed to perform the required training, achieve the necessary proficiency, and accomplish assigned readiness objective. N&MCRC Houston has been designated as a Readiness Center and will support drilling Reserves from out-laying centers with special training.

CURRENT SITUATION: Current facilities are inadequate to support the projected Naval and Marine Corps drilling population. The required space for administrative, training, recruiting, and storage is not available. Additional space is currently under lease to make up the short fall of space.

IMPACT IF NOT PROVIDED: Will be unable to adequately perform original missions, resulting in degradation of mobilization and readiness levels.

DD FORM 1 DEC 76 1391
S/N 0102 LF 001 3910

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1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL & MARINE CORPS RESERVE READINESS CENTER, HOUSTON, TX

4. PROJECT TITLE READINESS CENTER ADDITION	5. PROJECT NUMBER P-065

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................. SEP 89
(b) Percent Complete as of January 1990.. 35
(c) Date Design 35%...................... JAN 90
(d) Date Design Complete................. OCT 90

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.. (160)
(b) All Other Design Costs.................. (110)
(c) Total................................... (270)
(d) Contract................................ (235)
(e) In-house................................ (35)

(4) Construction start......................... DEC 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility and Design Guide."

1. COMPONENT
NAVY

FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR RESERVE, NORFOLK, VA

4. AREA CONSTR COST INDEX
.90

5. FREQUENCY AND TYPE UTILIZATION
NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH AND TWO WEEKS OF ANNUAL ACTIVE DUTY

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
THREE NATIONAL GUARD
THREE ARMY
TWO NAVAL RESERVE
ONE MARINE CORPS RESERVE
ONE COAST GUARD

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-05	AIRCRAFT MAINTENANCE HANGAR	52,880 SF	7,300	9/85	2/90

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
JUL 88
(Date)
APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED
NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS
NONE

1. COMPONENT NAVY	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR RESERVE, NORFOLK, VA

11. PERSONNEL STRENGTH AS OF 31 MAR 88

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	840	88	725	27	2,124	648	1,476
ACTUAL	953	81	847	25	1,533	484	1,049

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
NR LANTFLT AVU 186	29	20
NR LANTFLT PSYOPS AVU 0286	26	24
NR NAS NORVA 2186	67	27
NR RESPATWINGLANT 186	41	33
NR NAVAIRLANT 1086	31	22
NR COMNAVAIREAST LANT 0286	34	0
NR HM 1486	20	15
NR VA-0686	65	36
NR VF-1486	84	30
NR TACTICAL SQUADRON 23	93	54
NR TACTICAL GROUP 2 286	40	21
NR TACTICAL SQUADRON 24	93	54
NR VC-686	51	16

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
E-2C	4	3
EA-61	4	4
C-9B	3	3
HH-1K	7	8
RH-53D	5	5
CH-46E	12	14

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR RESERVE, NORFOLK, VA

4. PROJECT TITLE
AIRCRAFT MAINTENANCE HANGAR

5. PROJECT NUMBER
P-63

12. RESERVE UNIT DATA CONTINUED:

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NR VRC 4086	63	35
NR VAW-1086	14	13
VR-56	33	133
VC-12	145	97
VAW-78	45	99
VAQ-209	103	72
HELO LIGHT ATTACK SQ 4	119	76
HM-18	223	98
NR MOBASCONTGRP 8686	0	27
NR VOLTRAUNIT 8686	0	0
NR NADEP 0386	13	10
NR FOSIF ROTA 186	26	17
NR LANTDAC 186	57	9
NR DIAHQ 0307	18	10
NR FOSIC NORVA 186	31	11
NR NISCPROD 406	16	14
NR NISRO 0986	12	11
NR FIRSTEURLNT 0486	65	49
NR NMITC 0186	3	0
NR VTU INTELLIGENCE 206	0	0
NR CINCLANTFLT INTEL 186	45	10
NR CINCLANTFLT INTEL 286	30	23
NR NAVAIRLANT OPINTEL 0186	19	17
NR SACLANT INTEL 0186	10	9
NR NAVSTA NORVA BRCL 106	84	69
NR NAS OCEANA MED/DEN 0186	27	19
*****864D602*****	0	1
NR NAVMEDCL NORFOLK 0186	15	8
NR 4MAW MED MAG 46 DET A	9	6
NR NORA NORFOLK 2186	35	21
*H&MS 46 DET A	76	94
*HMN 774	104	123
TOTAL	2124	1533

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S/N [illegible]

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1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR RESERVE, NAS, NORFOLK, VA	4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR

5. PROGRAM ELEMENT 0505196N	6. CATEGORY CODE 211-05	7. PROJECT NUMBER P-633	8. PROJECT COST ($000) 7,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE HANGAR	LS			5,190
HANGAR	SF	52,880	80	(4,230)
WASHRACK UTILITY BUILDING	SF	630	66	(42)
FIRE PUMP BUILDING	SF	1,750	65	(114)
AIRCRAFT WASHRACK	LS			(155)
BUILT-IN EQUIPMENT	LS			(650)
SUPPORTING FACILITIES				1,370
SPECIAL FOUNDATION FEATURES	LS			(240)
UTILITIES	LS	-		(450)
PAVING AND SITE IMPROVEMENT	LS	-		(520)
DEMOLITION	LS	-		(160)
SUBTOTAL				6,561
CONTINGENCY (5%)				328
TOTAL CONTRACT COST				6,889
SUPERVISION, INSPECTION & OVERHEAD (6%)				413
TOTAL REQUEST				7,302
TOTAL REQUEST (ROUNDED)				7,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-0-

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a steel framed maintenance hangar with a two-story administrative and shop area and a high bay aircraft maintenance area. The construction will include pile foundations, concrete floors, masonry and metal panel walls and metal roof deck. The building equipment will include compressed air, cranes and hoists, sprinkler, fire alarm, 400 Hz power, telephone and intercom and security systems. Adjacent to the hangar will be an aircraft washrack, a utility building, and fire pump building. These buildings will be one story steel framed structures with masonry walls. The administrative spaces will be air conditioned. Other areas will only have heating and ventilating. Supporting facilities will include site improvements, utility connecting, demolition and aircraft paving.

11. REQUIREMENT: 221,722 SF ADEQUATE: 126 SF SUBSTANDARD: 102,691 SF

PROJECT: Construct one Type II hangar to support Transport Squadron (VR-56) which will relocate, allowing HM-18, a new H-53 Helo Squadron, to have adequate hangar space. (New Mission)

REQUIREMENT: Provide adequate hanger space for Naval Reserve Squadrons at Naval Air Reserve Norfolk to support the 37 assigned aircraft.

CURRENT SITUATION: HM-18 presently occupies 5 relocatables, a small Butler type building and a portion of inadequate hangar space in building SP-31. This hangar is also currently utilized by Transport Squadron VR-56. Upon completion of this project , VR-56 will relocate to the new facility and HM-18 will occupy space freed in SP-31, thereby eliminating the continued use of the relocatables and the Butler type building. The MCNR backlog includes an additional hangar project for 50,000 SF and a hangar rehab

S/N 0102 LF 001 3910
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1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR RESERVE, NAS, NORFOLK, VA

4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR	5. PROJECT NUMBER P-633

project of substandard space which in combination with this project will meet the stated requirement.

IMPACT IF NOT PROVIDED: HM-18 will continue to occupy temporary relocatable facilities, and share space with VR-56 in an over-crowded hangar. This results in inefficient use of manpower and a loss of productivity which reduces readiness. Additionally, the temporary facilties use excessive operation and maintenance dollars.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.................. SEP 85
- (b) Percent Complete as of January 1990.. 95
- (c) Date Design 35%..................... MAR 86
- (d) Date Design Complete................. FEB 90

(2) Basis:
- (a) Standard or Definitive Design: Yes X No____
- (b) Where Design Was Most Recently Used: __________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications.. (300)
- (b) All Other Design Costs.................. (400)
- (c) Total.................................. (700)
- (d) Contract............................... (640)
- (e) In-house............................... (60)

(4) Construction start.......................... NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
N/A	N/A	N/A	N/A

c. Project design conforms to Part II of Military Handbook 1190 "Facility and Design Guide."

☆U.S. Government Printing Office: 1981—665-166/7300 2-1

TAB E

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE INSTALLATIONS, VARIOUS LOCATIONS	4. PROJECT TITLE MINOR CONSTRUCTIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE VARIES	7. PROJECT NUMBER VARIES	8. PROJECT COST ($000) 1,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MINOR CONSTRUCTION (UNSPECIFIED)				1,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION

THIS PROJECT PROPOSES FUNDING FOR: ACQUISITION, CONSTRUCTION, CONVERSION OR INSTALLATION OF MINOR ITEMS WITH COSTS UP TO $400,000.

11. REQUIREMENT: FUND REQUIRED MINOR CONSTRUCITON PROJECTS NOT EXCEEDING $400,000 IN COST WHICH ARE TO BE ACCOMPLISHED UNDER THE EXEMPTION PROVIDED BY SECTION 2233A(1), CHAPTER 133, 10 USC.

TAB F

1. COMPONENT NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE INSTALLATIONS, VARIOUS LOCATIONS	4. PROJECT TITLE PLANNING & DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE -	7. PROJECT NUMBER -	8. PROJECT COST ($000) 3,885

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROJECT DESIGN WORK LS				3,885

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Planning necessary to develop sound program cost estimates, and plans and specifications for future military construction projects. Work may include land appraisals, field surveys, and soil exploration.

11. REQUIREMENT: To carry out provisions in Title 10 USC 2233 and 2233a as:

a. Construction planning - the Secretary of Defense may procure advance planning, construction design and architectural services in connection with facilities to be established or developed under this chapter which are not otherwise authorized by law.

DEPARTMENT OF DEFENSE

MILITARY CONSTRUCTION PROGRAM

FAMILY HOUSING PROGRAM

FY 1991 BUDGET
DEFENSE AGENCIES

JANUARY 1990
JUSTIFICATION DATA SUBMITTED TO CONGRESS

MILITARY CONSTRUCTION, DEFENSE AGENCIES
FY 1991
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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
ALABAMA				
DEFENSE LOGISTICS AGENCY				
DEF RETUIL AND MKTG OFC ANNISTON				
OPERATIONS FACILITY/OPEN STORAGE	2,370		C	13
DEF RETUIL AND MKTG OFC ANNISTON		2,370		
CALIFORNIA				
DEFENSE MEDICAL SUPPORT ACTIVITY				
CAMP PENDLETON MARINE CORPS BASE				
HOSPITAL FIRE PROTECTION	1,750		C	68
CAMP PENDLETON MARINE CORPS BASE		1,750		
SPECIAL OPERATIONS COMMAND				
CORONADO NAVAL AMPHIBIOUS BASE				
DESERT OPERATIONS FACILITY	7,680		C	244
MARITIME TRAINING FACILITY	4,900		C	246
WATERFRONT MAINTENANCE & OPERATIONS FAC	8,440		N	248
CORONADO NAVAL AMPHIBIOUS BASE		21,020		
DEFENSE LEVEL ACTIVITIES				
DEFENSE LANGUAGE INSTITUTE - MONTEREY				
AUDIO/VISUAL INSTRUCTIONAL MEDIA CENTER	2,322		C	285
OUTDOOR ATHLETIC FACILITIES	2,168		C	287
PRINT PLANT	1,860		C	289
DEFENSE LANGUAGE INSTITUTE - MONTEREY		6,350		
DEFENSE LOGISTICS AGENCY				
DEFENSE DEPOT TRACY				
CONSOLIDATED MAINTENANCE FACILITY	1,700		C	16
DEFENSE DEPOT TRACY		1,700		
**CALIFORNIA		30,820		
DISTRICT OF COLUMBIA				
DEFENSE MEDICAL SUPPORT ACTIVITY				
WALTER REED ARMY MEDICAL CENTER				
MAGNETIC RESONANCE IMAGING FACILITY	4,000		C	71
WALTER REED ARMY MEDICAL CENTER		4,000		
FLORIDA				
DEFENSE MEDICAL SUPPORT ACTIVITY				
MACDILL AIR FORCE BASE				
HOSPITAL LIFE SAFETY UPGRADE	2,900		C	75
MACDILL AIR FORCE BASE		2,900		

I

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
FLORIDA				
SPECIAL OPERATIONS COMMAND				
EGLIN AFB				
AERIAL DELIVERY FACILITY	3,500		N	251
IMPROVE BASE ROADS	1,500		N	253
MOBILITY CENTER	3,550		N	255
PHYSICAL FITNESS CENTER	3,200		N	258
EGLIN AFB		11,750		
DEFENSE LOGISTICS AGENCY				
DEF REUTIL AND MARKTNG OFC EGLIN AFB				
*COVERED STORAGE	2,850		C	20
DEF REUTIL AND MARKTNG OFC EGLIN AFB		2,850		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(2,850)		

**FLORIDA		17,500		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(2,850)		
GEORGIA				
DEFENSE MEDICAL SUPPORT ACTIVITY				
FORT BENNING				
TROOP MEDICAL CLINIC REPLACEMENT	2,000		C	78
FORT BENNING		2,000		
SPECIAL OPERATIONS COMMAND				
FORT STEWART/HUNTER AAF				
SPECIAL OPERATIONS FORCES HEADQUARTERS	1,900		N	262
TACTICAL EQUIPMENT SHOP	3,000		N	264
FORT STEWART/HUNTER AAF		4,900		

**GEORGIA		6,900		
HAWAII				
STRATEGIC DEFENSE INITIATIVE ORGANIZATION				
BARKING SANDS				
EXOATM DISCRIM EXPERIMENT	3,870		C	280
BARKING SANDS		3,870		
DEF COMMUNICATIONS AGNCY				
WHEELER AFB				
DCA-PAC COMMUNICATIONS CENTER EXPANSION	1,491		C	3
WHEELER AFB		1,491		

**HAWAII		5,361		

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
KANSAS				
DEFENSE MEDICAL SUPPORT ACTIVITY				
FORT RILEY				
TROOP MEDICAL CLINIC REPLACEMENT	1,050		C	81
FORT RILEY		1,050		
MARYLAND				
NATIONAL SECURITY AGENCY				
FORT MEADE				
BLDG 9805 ADDITION	3,425		C	225
LOW VOLT POWER UPGRADE	8,221		C	228
OPS 2A COOLING TOWER	1,800		C	231
SUBSTATION 1 UPGRADE	6,025		C	234
FORT MEADE		19,471		
DEFENSE LOGISTICS AGENCY				
DEF REUTILIZATION & MKTG OFC FT MEADE				
COVERED STORAGE	9,500		C	24
DEF REUTILIZATION & MKTG OFC FT MEADE		9,500		
UNI SVC UNIV HEALTH SCI				
USUHS				
COMPLETE CONTRUCTION OF ANIMAL ROOMS	800		C	298
USUHS		800		
**MARYLAND		29,771		
NEVADA				
DEFENSE MEDICAL SUPPORT ACTIVITY				
NELLIS AIR FORCE BASE				
CONSOLIDATED MEDICAL FACILITY REPLACEMENT	56,000		C	85
NELLIS AIR FORCE BASE		56,000		
NEW MEXICO				
DEFENSE NUCLEAR AGENCY				
WHITE SANDS MISSILE RANGE				
LARGE BLAST/THERMAL SIMULATOR	64,800		C	167
WHITE SANDS MISSILE RANGE		64,800		

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
NORTH CAROLINA				
DEFENSE MEDICAL SUPPORT ACTIVITY				
CAMP LEJEUNE MARINE CORPS BASE				
COURTHOUSE BAY MEDICAL/DENTAL CLINIC	3,200		C	89
CAMP LEJEUNE MARINE CORPS BASE		3,200		
OHIO				
DEFENSE LOGISTICS AGENCY				
DEFENSE CONSTRUCTION SUPPLY CENTER				
*BULK STORAGE WAREHOUSE	13,530		C	27
DEFENSE CONSTRUCTION SUPPLY CENTER		13,530		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(13,530)		
OKLAHOMA				
DEFENSE MEDICAL SUPPORT ACTIVITY				
ALTUS AIR FORCE BASE				
MEDICAL LOGISTICS FACILITY	500		C	92
ALTUS AIR FORCE BASE		500		
FORT SILL				
HOSPITAL RPMT PHASE 111	0,400		C	95
FORT SILL		10,400		
**DEFENSE MEDICAL SUPPORT ACTIVITY		10,900		
PENNSYLVANIA				
DEFENSE MEDICAL SUPPORT ACTIVITY				
PHILADELPHIA NAVAL SHIPYARD				
MEDICAL/DENTAL/OCCUPATIONAL HEALTH CLINIC	11,600		C	100
PHILADELPHIA NAVAL SHIPYARD		11,600		
SPECIAL OPERATIONS COMMAND				
NORRISTOWN				
ADD/ALT ARMY RES CTR/MAINTENANCE FACILITY	2,598		C	267
NORRISTOWN		2,598		
DEFENSE LOGISTICS AGENCY				
DEFENSE DEPOT MECHANICSBURG				
TWO GENERAL PURPOSE WAREHOUSES	15,100		C	31

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 10 JAN 1990
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
PENNSYLVANIA				
DEFENSE LOGISTICS AGENCY				
DEFENSE DEPOT MECHANICSBURG				
UPGRADE IPE BUILDING	3,000		C	34
DEFENSE DEPOT MECHANICSBURG		18,100		
DEFENSE PERSONNEL SUPPORT CENTER				
*DEMOLISH BUILDING M5/PARKING AREA	3,940		C	38
DEFENSE PERSONNEL SUPPORT CENTER		3,940		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,940)		
**DEFENSE LOGISTICS AGENCY		22,040		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,940)		
**PENNSYLVANIA		36,238		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,940)		
SOUTH CAROLINA				
DEFENSE LOGISTICS AGENCY				
DEF REUTIL AND MKGT OFC FT JACKSON				
OPEN STORAGE IMPROVEMENTS	500		C	41
DEF REUTIL AND MKGT OFC FT JACKSON		500		
TENNESSEE				
DEFENSE LOGISTICS AGENCY				
DEFENSE DEPOT MEMPHIS				
BULK RECEIVING FACILITY	1,500		C	44
FLAMMABLE STORAGE FACILITY	1,500		C	47
GENERAL PURPOSE WAREHOUSE	11,900		C	50
DEFENSE DEPOT MEMPHIS		14,900		
TEXAS				
DEFENSE MEDICAL SUPPORT ACTIVITY				
LACKLAND AIR FORCE BASE				
MAGNETIC RESONANCE IMAGING FACILITY	2,250		C	104
LACKLAND AIR FORCE BASE		2,250		
FORT SAM HOUSTON				
HOSPITAL REPLACEMENT PHASE IV	77,000		C	109
FORT SAM HOUSTON		77,000		
**DEFENSE MEDICAL SUPPORT ACTIVITY		79,250		

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 10 JAN 1990
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
VIRGINIA				
DEFENSE MEDICAL SUPPORT ACTIVITY				
CHEATHAM ANNEX				
FLEET HOSPITAL FACILITY NO. 8	6,500		C	113
CHEATHAM ANNEX		6,500		
DAM NECK NAVAL FLIGHT CENTER				
MEDICAL/DENTAL CLINIC REPLACEMENT	4,050		C	116
DAM NECK NAVAL FLIGHT CENTER		4,050		
FORT LEE				
HOSPITAL LIFE SAFETY UPGRADE	2,650		C	120
FORT LEE		2,650		
PORTSMOUTH NAVAL HOSPITAL				
HOSPITAL REPLACEMENT PHASE II	40,000		C	125
PORTSMOUTH NAVAL HOSPITAL		40,000		
QUANTICO MARINE CORPS BASE				
OCS TROOP MEDICAL CLINIC REPLACEMENT	2,450		C	128
QUANTICO MARINE CORPS BASE		2,450		
**DEFENSE MEDICAL SUPPORT ACTIVITY		55,650		
SPECIAL OPERATIONS COMMAND				
DAM NECK MARINE ENVIRONMENTAL SYSTEMS FAC				
OPERATIONS & MAINTENANCE FACILITY	9,160		N	270
DAM NECK MARINE ENVIRONMENTAL SYSTEMS FAC		9,160		
DEF COMMUNICATIONS AGNCY				
ARLINGTON SERVICE CENTER				
DCA-HQS WAREHOUSE REPLACEMENT	2,664		C	6
ARLINGTON SERVICE CENTER		2,664		
DEFENSE LOGISTICS AGENCY				
DEFENSE GENERAL SUPPLY CENTER				
CONSOLIDATED MAINTENANCE FACILITY	7,000		C	53
DEFENSE GENERAL SUPPLY CENTER		7,000		
**VIRGINIA		74,474		
WYOMING				
DEFENSE LOGISTICS AGENCY				
DRMO, F.E. WARREN AFB				
COVERED STORAGE FACILITY	1,700		C	56
DRMO, F.E. WARREN AFB		1,700		

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
CONUS CLASSIFIED				
SPECIAL OPERATIONS COMMAND				
CLASSIFIED LOCATION				
ADD/ALT MAINTENANCE SHOPS	547		N	274
AVIONICS SHOP	2,200		N	276
CLASSIFIED LOCATION		2,747		
DEFENSE LEVEL ACTIVITIES				
CLASSIFIED LOCATION				
BUILDING ADD W SUPPORT FACILITIES	27,425		C	291
CLASSIFIED PROJECT	5,375		C	294
CLASSIFIED LOCATION		32,800		
**CONUS CLASSIFIED		35,547		
TOTALS				
ARMY				
NAVY				
AIR FORCE				
DEFENSE AGENCIES		488,811		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(20,320)		
INSIDE THE UNITED STATES		488,811		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(20,320)		

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
GERMANY				
DOD DEPENDENT SCHOOLS				
DARMSTADT				
ELEM/JR HIGH ADDITIONS	7,276		C	179
DARMSTADT		7,276		
FRANKFURT				
ATTERBURY ELEM SCHOOL ADDITION	7,449		C	183
FRANKFURT		7,449		
IDAR OBERSTEIN				
ELEMENTARY SCHOOL ADDITION	2,189		C	187
IDAR OBERSTEIN		2,189		
KAISERSLAUTERN				
ELEM, JR, & MS ADDITIONS	13,341		C	191
KAISERSLAUTERN		13,341		
LANDSTUHL				
ELEM/MIDDLE SCHOOL ADDITION	3,724		C	195
LANDSTUHL		3,724		
MANNHEIM				
HIGH SCHOOL ADDITION	8,708		C	199
MANNHEIM		8,708		
NELLINGEN				
ELEMENTARY SCHOOL ADDITION	3,187		C	203
NELLINGEN		3,187		
RAMSTEIN				
ELEMENTARY & JR HIGH ADDITIONS	12,217		C	207
RAMSTEIN		12,217		
**DOD DEPENDENT SCHOOLS		58,091		
DEFENSE MEDICAL SUPPORT ACTIVITY				
GIESSEN				
DISPENSARY/DENTAL CLINIC REPLACEMENT	5,000		C	132
GIESSEN		5,000		
NUERNBERG				
DISPENSARY/DENTAL CLINIC REPLACEMENT	5,800		C	134
NUERNBERG		5,800		

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
GERMANY				
DEFENSE MEDICAL SUPPORT ACTIVITY				
RHEIN-MAIN AIR BASE				
AEROMEDICAL EVACUATION LOGISTICS FACILITY	870		C	138
RHEIN-MAIN AIR BASE		870		
**DEFENSE MEDICAL SUPPORT ACTIVITY		11,670		
**GERMANY		69,761		
ITALY				
DEFENSE MEDICAL SUPPORT ACTIVITY				
AVIANO AIR BASE				
SECOND ECHELON MEDICAL LOGISTICS STORAGE	1,100		C	142
AVIANO AIR BASE		1,100		
VICENZA				
HOSPITAL REPLACEMENT	28,000		C	145
VICENZA		28,000		
**DEFENSE MEDICAL SUPPORT ACTIVITY		29,100		
JOHNSTON ISLAND				
DEFENSE NUCLEAR AGENCY				
DNA HDQTRS FIELD COMMAND				
COMMUNITY SUPPORT COMPLEX	4,145		C	172
MAINTENANCE FACILITY PHASE 1	4,450		C	174
DNA HDQTRS FIELD COMMAND		8,595		
KOREA				
DEFENSE MEDICAL SUPPORT ACTIVITY				
CAMP CASEY				
TROOP MEDICAL CLINIC REPLACEMENT	1,000		C	148
CAMP CASEY		1,000		
KUNSAN AIR BASE				
HOSPITAL/DENTAL CLINIC REPLACEMENT	14,400		C	151
KUNSAN AIR BASE		14,400		
**DEFENSE MEDICAL SUPPORT ACTIVITY		15,400		

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
TURKEY				
DEFENSE MEDICAL SUPPORT ACTIVITY				
SINOP				
MEDICAL/DENTAL CLINIC REPLACEMENT	1,750		C	155
SINOP		1,750		
UNITED KINGDOM				
DOD DEPENDENT SCHOOLS				
HARROGATE				
MENWITH HILL MS ADDITION	2,100		C	211
HARROGATE		2,100		
DEFENSE MEDICAL SUPPORT ACTIVITY				
RAF EDZELL				
MEDICAL DENTAL CLINIC RPMT	5,400		C	158
RAF EDZELL		5,400		
ROYAL AIR FORCE LANARK				
FLEET HOSPITAL FACILITY 14	3,900		C	161
ROYAL AIR FORCE LANARK		3,900		
**DEFENSE MEDICAL SUPPORT ACTIVITY		9,300		
**UNITED KINGDOM		11,400		
OVERSEAS CLASSIFIED				
DEFENSE LEVEL ACTIVITIES				
OVERSEAS CLASSIFIED				
CLASSIFIED PROJECT	1,600		C	294
OVERSEAS CLASSIFIED		1,600		
NATIONAL SECURITY AGENCY				
CLASSIFIED OVERSEAS LOCATIONS				
CLASSIFIED PROJECT	2,375		C	238
CLASSIFIED OVERSEAS LOCATIONS		2,375		
**OVERSEAS CLASSIFIED		3,975		
OVERSEAS VARIOUS				
DOD DEPENDENT SCHOOLS				
VARIOUS LOCATIONS				
HOT LUNCH FACILITIES	15,188		C	214
VARIOUS LOCATIONS		15,188		

X

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
TOTALS				
ARMY				
NAVY				
AIR FORCE				
DEFENSE AGENCIES		155,169		
SPECIFIED OUTSIDE THE UNITED STATES		155,169		

XI

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
UNSPECIFIED WORLDWIDE
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION -------------------PROJECT NAME---------------	PROJ COST	TOTAL	New/Current Mission	Page No.
WORLDWIDE UNSPECIFIED				
CONTINGENCY CONSTRUCTION				
DEFENSE LEVEL ACTIVITIES	12,700		C	304
CONTINGENCY CONSTRUCTION		12,700		
UNSPECIFIED MINOR CONSTRUCTION				
DEFENSE MEDICAL SUPPORT ACTIVITY	2,655		C	307
SPECIAL OPERATIONS COMMAND	100		C	307
STRATEGIC DEFENSE INITIATIVE ORGANIZATION	1,500		C	307
DEFENSE LEVEL ACTIVITIES	1,500		C	307
JOINT CHIEFS OF STAFF	7,200		C	307
UNSPECIFIED MINOR CONSTRUCTION		12,955		
PLANNING AND DESIGN				
WASHINGTON HEADQUARTERS SERVICES	10,000		C	310
DEFENSE MEDICAL SUPPORT ACTIVITY	44,300		N/C	310
SPECIAL OPERATIONS COMMAND	2,689		N/C	310
STRATEGIC DEFENSE INITIATIVE ORGANIZATION	6,000		N/C	310
DEFENSE LEVEL ACTIVITIES	41,296		N/C	310
PLANNING AND DESIGN		104,285		

WORLDWIDE UNSPECIFIED		129,940		
WORLDWIDE VARIOUS				
DEFENSE LOGISTICS AGENCY				
VARIOUS LOCATIONS-WORLDWIDE VARIOUS				
CONFORMING STORAGE FACILITIES	10,000		C	59
CONFORMING STORAGE FACILITIES	3,580		C	59
VARIOUS LOCATIONS		13,580		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,580)		

WORLDWIDE VARIOUS		13,580		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,580)		

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 10 JAN 1990
UNSPECIFIED WORLDWIDE
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	New/Current Mission	Page No.
TOTALS				
ARMY				
NAVY				
AIR FORCE				
DEFENSE AGENCIES		143,520		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,580)		
UNSPECIFIED WORLDWIDE		143,520		
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,580)		

XIII

MILITARY CONSTRUCTION, DEFENSE AGENCIES

For acquisition, construction, installation, and equipment of temporary or permanent public works, installations, facilities, and real property for activities and agencies of the Department of Defense (other than the military departments), as currently authorized by law, $537,440,000, to remain available until September 30, 1994: *Provided*, That such amounts of this appropriation as may be determined by the Secretary of Defense may be transferred to such appropriations of the Department of Defense available for military construction as he may designate, to be merged with and to be available for the same purposes, and for the same time period, as the appropriation or fund to which transferred: *Provided further*, That of the amount appropriated, not to exceed $86,300,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor: *Provided further*, That of the funds appropriated for "Military Construction, Defense Agencies' under Public Law 100--202, $10,000,000 is hereby rescinded: *Provided further*, That of the funds appropriated for 'Military Construction, Defense Agencies' under Public Law 100-447, $11,800,000 is hereby rescinded: *Provided further*, That effective February 1, 1990, none of the unobligated funds appropriated in this Act for Defense Medical Facilities Office planning and design may be obligated until the Defense Medical Facilities Office initiates design of the aerospace medicine facility as required by the conference report accompanying Public Law 100-447. (*10 U.S.C. 2802-05, 2807, 2852-54, 2857; Military Construction Appropriations Act, 1990; additional authorizing legislation to be proposed.*)

Military Construction, Defense Agencies
Program and Financing (in Thousands of dollars)

Identification code 97-0500-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction	621,757	438,040	670,260	461,014	537,653	570,634
00.0201	Minor construction	9,437	13,100	12,955	6,392	15,484	13,851
00.0301	Planning	52,095	86,300	104,285	40,417	92,546	120,427
00.9101	Total direct program	683,289	537,440	787,500	507,823	645,682	704,912
01.0101	Reimbursable Program		1,000			1,000	
10.0001	Total	683,289	538,440	787,500	507,823	646,682	704,912
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)		-1,000		6	-1,000	
17.0001	Recovery of prior year obligations				-10,091		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-299,291	-461,938	-353,698
21.4003	Available to finance new budget plans	-19,548	-21,800		-19,548	-21,800	
21.4009	Reprograming from/to prior year budget pla	-22,903					
22.4001	Unobligated balance transferred to other acc	-5,070			-5,070		
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				461,938	353,698	436,284
24.4003	Available to finance subsequent year budge	21,800			21,800		
25.0001	Unobligated balance lapsing	2,417			2,417		
39.0001	Budget authority	659,985	515,640	787,500	659,985	515,640	787,500
	Budget authority:						
40.0001	Appropriation	679,533	537,440	787,500	679,533	537,440	787,500
40.0017	Appropriation rescinded (unobligated balan	-19,548	-21,800		-19,548	-21,800	
41.0001	Transferred to other accounts(-)	-8,829			-8,829		
42.0001	Transferred from other accounts	8,829			8,829		
43.0001	Appropriation (adjusted)	659,985	515,640	787,500	659,985	515,640	787,500
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net				507,829	645,682	704,912
72.4001	Obligated balance, start of year				566,476	588,220	683,302
74.4001	Obligated balance, end of year				-588,220	-683,302	-809,614
77.0001	Adjustments in expired accounts (net)				906		
78.0001	Adjustments in unexpired accounts				-10,091		
90.0001	Outlays				476,901	550,600	578,600

Military Construction, Defense Agencies
Object Classification (in Thousands of dollars)

Identification code 97-0500-0-1-051		1989 actual	1990 est.	1991 est.
	Direct obligations:			
	Other services:			
125.003	Contracts	8,778	8,393	8,483
132.001	Land and structures	475,072	592,244	667,279
199.001	Total Direct obligations	483,850	600,637	675,762
	Reimbursable obligations:			
232.001	Land and structures		1,000	
299.001	Total Reimbursable obligations		1,000	
	Allocation Accounts			
332.001	Land and structures	23,973	45,045	29,150
399.001	Total Allocation Accounts	23,973	45,045	29,150
999.901	Total obligations	507,823	646,682	704,912

MILITARY CONSTRUCTION, DEFENSE AGENCIES
FY 1991
SPECIAL PROGRAM CONSIDERATIONS

POLLUTION ABATEMENT

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

ENERGY CONSERVATION

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

FLOODPLAIN MANAGEMENT AND WETLANDS PROTECTION

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of flood plains and the protection of wetlands by avoiding long- and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL

In accordance with Public Law 90480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

PLANNING IN THE NATIONAL CAPITAL REGION

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the Commission's annual review of the Five-Year Defense Program (FYDP). Construction projects within the District of Columbia with the exception of the Bolling/Anacostia area are submitted to the commission for approval prior to the start of construction.

ENVIRONMENTAL PROTECTION

In accordance with Section 1023(2) (c) of the National Environmental Policy Act of 1969 (P.L. 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

MILITARY CONSTRUCTION, DEFENSE AGENCIES
FY 1991
Agency Summary

	Authorization of Appropriations	Appropriations
Defense Communications Agency	4,155,000	4,155,000
Defense Logistics Agency	89,670,000	89,670,000
Defense Medical Facility Agency	295,520,000	295,520,000
Defense Nuclear Agency	73,395,000	73,395,000
Department of Defense Dependent Schools	75,379,000	75,379,000
National Security Agency	21,846,000	21,846,000
Special Operations Command	52,175,000	52,175,000
Strategic Defense Initiative Organization	3,870,000	3,870,000
Secretary of Defense Activities	40,750,000	40,750,000
Uniformed Services University of the Health Sciences	800,000	800,000
Contingency Construction	12,700,000	12,700,000
Minor Construction	12,955,000	12,955,000
Planning and Design	104,285,000	104,285,000
Total	787,500,000	787,500,000

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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 10 JAN 1990
            INSIDE THE UNITED STATES
                 ($ THOUSANDS)
STATE/COMP./INSTALLATION                              PROJ COST       TOTAL
-------------------PROJECT NAME---------------      ----------   ----------
HAWAII
  DEF COMMUNICATIONS AGNCY
    WHEELER AFB
      DCA-PAC COMMUNICATIONS CENTER EXPANSION            1,491
        WHEELER AFB                                                   1,491


VIRGINIA
  DEF COMMUNICATIONS AGNCY
    ARLINGTON SERVICE CENTER
      DCA-HQS WAREHOUSE REPLACEMENT                      2,664
        ARLINGTON SERVICE CENTER                                      2,664


TOTALS
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  ARMY

  NAVY

  AIR FORCE

  DEFENSE AGENCIES                                                    4,155
                                                                 ----------
  INSIDE THE UNITED STATES                                            4,155
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1. COMPONENT DCA	**FY 19 91 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** Jan 90
3. INSTALLATION AND LOCATION WHEELER AIR FORCE BASE, HAWAII	**4. COMMAND** DCA-PAC	**5. AREA CONSTRUCTION COST INDEX** 1.44

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 89	16	63	45							124
b. END FY 19 94	15	63	45							123

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	
b.	INVENTORY TOTAL AS OF	
c.	AUTHORIZATION NOT YET IN INVENTORY	$1,491
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	$1,491
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	$ 0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	$ 0
g.	REMAINING DEFICIENCY	$ 0
h.	GRAND TOTAL	$1,491

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131	DCA-PAC Area Communications Operations Center Expansion	20,657 SF	$1,491	4/89	8/90

9. FUTURE PROJECTS:

None.

10. MISSION OR MAJOR FUNCTIONS:

The DCA-PAC ACOC supports USAISC-J, COMUS-J, 5th AF, COMUS-K, and the National Military Command System. The ACOC is the primary site that monitors, controls, and restores vital DCS circuits and systems throughout the Pacific region to ensure essential communications connectivity between the National Command Authority, CINCs and the Services.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

None.

1. COMPONENT DCA	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Jan 90

3. INSTALLATION AND LOCATION WHEELER AIR FORCE BASE, HAWAII	4. PROJECT TITLE DCA-PAC Area Communications Operations Center Expansion

5. PROGRAM ELEMENT 0303126K	6. CATEGORY CODE 131	7. PROJECT NUMBER 91-0001	8. PROJECT COST ($000) 1,491

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	20,657	64.05	1,323
Supporting Facilities	LS			23
Communications				(23)
Subtotal				1,346
Contingency Percent (5%)				67
Total Contract Cost				1,413
Supervision, Inspection and Overhead (5.50%)				78
Total Request				1,491

10. DESCRIPTION OF PROPOSED CONSTRUCTION

10. Expansion of the ACOC facility to include demolition, new walls, raised flooring, suspended ceiling, fire protection, air conditioning, insulation, and lighting. Air conditioning of the third floor of Bldg 107 to include suspended ceiling, insulation, and lighting. Approximate air conditioning - 115 tons.

11. REQUIREMENT: 20,657 SF ADEQUATE: 0 SF SUBSTANDARD: 20,657 SF

PROJECT: Expansion and upgrade of the Defense Communications Agency Pacific Area (DCA-PAC) Area Communications Operations Center (ACOC) located in Bldg 107. Air condition the third floor of Bldg 107. (Current Mission)

REQUIREMENT: Expansion and upgrade of the ACOC facility is required to provide adequate facilities for the expanding mission of controlling the Defense Communications System (DCS) in the Pacific Theater.

CURRENT SITUATION: DCA-PAC provides operational direction and management control of the DCS for the entire Pacific Area. Additionally, DCA-PAC executes missions related to assigned National Communications functions and other non-Department of Defense functions of the DCS, and provides communications support to the U.S. Commander in Chief Pacific (USCINCPAC). To accomplish these tasks the DCA-PAC ACOC provides the necessary direction and management using computers, controller personnel, and associated communications equipment which are housed in separate areas. Due to the increasing mission requirements to provide DCS control and automation support, new equipment and personnel will be added for the ACOC. The ACOC, which includes an Automated Data Processing (ADP) Center, a Communications Equipment Facility, and an Operations Center, has no room for additional equipment or personnel. New computer and communications equipment will be replacing/supplementing existing equipment. Equipment that is not scheduled for replacement must be relocated, thus adding additional delays, expenses, and equipment downtime to the project. The overcrowded

1. COMPONENT DCA	**FY 19 91 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** Jan 90

3. INSTALLATION AND LOCATION
WHEELER AIR FORCE BASE, HAWAII

4. PROJECT TITLE
DCA-PAC Area Communications Operations Center Expansion

CURRENT SITUATION (CONT'D): situation also reduces the effectiveness of the personnel working in the ACOC in exercising management control, in providing operational direction and in supporting USCINCPAC during crisis situations. The problem is amplified during a crisis situation when a team of experts, such as a full battle staff activated to support an exercise or contingency, are called in to augment the normal operational staff, adding more people to the already overcrowded spaces. The increase in heat-producing equipment and personnel in Bldg 107 has resulted in an unbearable working environment.
IMPACT IF NOT PROVIDED: Denial of this project will seriously impede ACOC's and DCA-PAC's capability to accomplish its mission.
ADDITIONAL:
Energy Statement: This facility will be designated for an energy budget figure (EBF) of 45,000 BTU/SF/YR which is based on DOB Region 6 requirement. Considerations in meeting this goal include energy efficient lighting and mechanical systems; and insulation.

12. SUPPLEMENTAL DATA:
  A. Estimated Design Data:
    (1) Status:
      (a) Date Design will be Started. . . . . April 1989
      (b) Percent Complete as of January 1990. . . . . 35%
      (c) Date 35% Design was Completed. . . . . December 1989
      (d) Date Design will be Completed. . . . . August 1990
    (2) Basis:
      (a) Standard or Definitive Design - Yes ____ No X
      (b) Where Design was Most Recently Used: N/A
    (3) Total Cost ($000) (c) = (a) + (b) or (d) + (e)
      (a) Production of Plans and Specifications $69K
      (b) All Other Design Costs $59K
      (c) Total Cost $128K
      (d) Contract . . . . $ 0
      (e) In-House $128K
    (4) Construction Start. . . . . December 1990

B. Equipment associated with this project which will be provided from other appropriations: None.

OTHER INFORMATION: This project will comply with the scope and design criteria of the Construction Manual 4270.1-M that was in effect as of January 1, 1987.

1. COMPONENT DCA	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** January 1990
3. INSTALLATION AND LOCATION Arlington Service Center Arlington, VA	**4. COMMAND** DCA Headquarters	**5. AREA CONSTRUCTION COST INDEX** 1.00

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFFICER	**ENLISTED**	**CIVILIAN**	**OFFICER**	**ENLISTED**	**CIVILIAN**	**OFFICER**	**ENLISTED**	**CIVILIAN**	
a. AS OF 15 Sep 89	109	105	636							850
b. END FY 19 94	109	105	636							850

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE ....16.4 Acres

b. INVENTORY TOTAL AS OF ....

c. AUTHORIZATION NOT YET IN INVENTORY $2,664

d. AUTHORIZATION REQUESTED IN THIS PROGRAM $2,664

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0

f. PLANNED IN NEXT THREE PROGRAM YEARS ....

g. REMAINING DEFICIENCY 0

h. GRAND TOTAL $2,664

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610	Warehouse Replacement	18,000 SF	$2,664	8/88	6/90

9. FUTURE PROJECTS:

None.

10. MISSION OR MAJOR FUNCTIONS:

To perform system engineering for the Defense Communications system; to meet the long-haul, point-to-point and switch network telecommunications of the National Command Authorities and the DoD: to provide system engineering and technical support to the National Military Command System and the Minimum Essential Emergency Communications Network and to provide analytical and automated data processing support to the Joint Staff, SecDef and others.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

None.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT DCA	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE January 1990

3. INSTALLATION AND LOCATION Arlington Service Center; Arlington, VA	4. PROJECT TITLE Replacement of Warehouse

5. PROGRAM ELEMENT PE 0303998K	6. CATEGORY CODE 610	7. PROJECT NUMBER 91-0002	8. PROJECT COST ($000) $2,664

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				2,060
High-bay warehouse	SF	18,000	88.72	(1,597)
Site preparation	LS			(463)
SUPPORT FACILITIES				345
Heating, ventilation, & air conditioning	SF	18,000	8.50	(153)
Fire sprinkler, fire alarm, detection system	LS			(40.5)
Electric power and lighting, emergency lighting	LS			(96.5)
Water,sewer, plumbing	LS			(55)
SUBTOTAL				2,405
Contingency (5.0%)				(120)
SUBTOTAL				2,525
Supervision, Inspection & Overhead (5.5%)				(139)
TOTAL PROJECT COST				2,664

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project is required to construct a new 18,000 square foot (SF) high-bay steel framed masonry warehouse facility with mezzanine level. The project includes required site preparation work. Construction will include installation of electric, water, heating, ventilation and air conditioning, sewer, fire alarm and detection system, and fire sprinkler facilities. It will meet all applicable state, local and federal building codes. The warehouse facility will be environmentally controlled, in part, and will provide limited office space areas.

11. REQUIREMENT: 18,000 SF Adequate: 0 SF Substandard: 18,000 SF

PROJECT: Replacement of existing, inadequate storage facilities with an efficient warehouse that conforms with Department of Defense construction criteria (Current Mission).

REQUIREMENT: This project is required to provide adequate storage facilities to meet DCA Headquarters short and long term storage requirements.

1. COMPONENT DCA	**FY 19 91 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** January 1990

3. INSTALLATION AND LOCATION

Arlington Service Center; Arlington, VA

4. PROJECT TITLE

Replacement of Warehouse

CURRENT SITUATION: The existing storage facility was built as a temporary metal quonset hut 44 years ago and is no longer suitable as a storage facility. Corrosion of the exterior membrane has resulted in leaks causing further structual damage and damage to contents. Materials such as automated data processing (ADP) equipment, office furniture and communications-electronics equipment are routinely stored outdoors on the loading dock due to inadequately protected storage space. The Naval District Washington fire marshall has, on numerous occasions, directed the discontinuation of this practice, because it is a safety violation.

IMPACT IF NOT PROVIDED: The ability to properly store an adequate supply of equipment and supplies required for daily mission operations of the agency will not be met. To meet long-term storage requirements, off-site storage areas, which are expensive and impractical would be leased.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a)	Date Design Started....................	August 1988
(b)	Percent Complete as of January 1990 ..	35%
(c)	Date 35% completed....................	September 1989
(d)	Date design will be completed..........	June 1990

(2) Basis:

(a) Standard or definitive design YES ____ NO X

(b) Where design was most recently used: N/A

(3) Total cost ($000) (c)=(a)+(b) or (d)+(e)

(a)	Production of Plans and Specifications...	120
(b)	All Other Design Costs..................	75
(c)	Total Cost..............................	195
(d)	Contract................................	174
(e)	In-House................................	21

(4) Construction Start.......................... October 1990

B. Equipment associated with this project which will be provided from other appropriations: NONE.

OTHER INFORMATION: This project complies with the scope and design criteria of the Construction Manual 4270.1-M that was in effect as of January 1, 1987.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ALABAMA		
DEFENSE LOGISTICS AGENCY		
DEF RETUIL AND MKTG OFC ANNISTON		
OPERATIONS FACILITY/OPEN STORAGE	2,370	
DEF RETUIL AND MKTG OFC ANNISTON		2,370
CALIFORNIA		
DEFENSE LOGISTICS AGENCY		
DEFENSE DEPOT TRACY		
CONSOLIDATED MAINTENANCE FACILITY	1,700	
DEFENSE DEPOT TRACY		1,700
FLORIDA		
DEFENSE LOGISTICS AGENCY		
DEF REUTIL AND MARKTNG OFC EGLIN AFB		
*COVERED STORAGE	2,850	
DEF REUTIL AND MARKTNG OFC EGLIN AFB		2,850
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(2,850)
MARYLAND		
DEFENSE LOGISTICS AGENCY		
DEF REUTILIZATION & MKTG OFC FT MEADE		
COVERED STORAGE	9,500	
DEF REUTILIZATION & MKTG OFC FT MEADE		9,500
OHIO		
DEFENSE LOGISTICS AGENCY		
DEFENSE CONSTRUCTION SUPPLY CENTER		
*BULK STORAGE WAREHOUSE	13,530	
DEFENSE CONSTRUCTION SUPPLY CENTER		13,530
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(13,530)
PENNSYLVANIA		
DEFENSE LOGISTICS AGENCY		
DEFENSE DEPOT MECHANICSBURG		
TWO GENERAL PURPOSE WAREHOUSES	15,100	

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

```
FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 10 JAN 1990
            INSIDE THE UNITED STATES
                ($ THOUSANDS)
STATE/COMP./INSTALLATION                             PROJ COST       TOTAL
--------------------PROJECT NAME---------------   ----------  ----------
PENNSYLVANIA
  DEFENSE LOGISTICS AGENCY
    DEFENSE DEPOT MECHANICSBURG
     UPGRADE IPE BUILDING                              3,000
      DEFENSE DEPOT MECHANICSBURG                                 18,100

    DEFENSE PERSONNEL SUPPORT CENTER
    *DEMOLISH BUILDING M5/PARKING AREA                 3,940
      DEFENSE PERSONNEL SUPPORT CENTER                             3,940
        AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR                (3,940)
                                                              ----------
  **DEFENSE LOGISTICS AGENCY                                      22,040
        AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR                (3,940)


SOUTH CAROLINA
  DEFENSE LOGISTICS AGENCY
    DEF REUTIL AND MKGT OFC FT JACKSON
     OPEN STORAGE IMPROVEMENTS                           500
      DEF REUTIL AND MKGT OFC FT JACKSON                             500


TENNESSEE
  DEFENSE LOGISTICS AGENCY
    DEFENSE DEPOT MEMPHIS
     BULK RECEIVING FACILITY                           1,500
     FLAMMABLE STORAGE FACILITY                        1,500
     GENERAL PURPOSE WAREHOUSE                        11,900
      DEFENSE DEPOT MEMPHIS                                       14,900


VIRGINIA
  DEFENSE LOGISTICS AGENCY
    DEFENSE GENERAL SUPPLY CENTER
     CONSOLIDATED MAINTENANCE FACILITY                 7,000
      DEFENSE GENERAL SUPPLY CENTER                                7,000


WYOMING
  DEFENSE LOGISTICS AGENCY
    DRMO, F.E. WARREN AFB
     COVERED STORAGE FACILITY                          1,700
      DRMO, F.E. WARREN AFB                                        1,700


             * AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR
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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TOTALS		
ARMY		
NAVY		
AIR FORCE		
DEFENSE AGENCIES		76,090
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(20,320)
INSIDE THE UNITED STATES		76,090
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(20,320)

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 10 JAN 1990
UNSPECIFIED WORLDWIDE
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CONFORMING STORAGE FACILITIES	10,000	
*CONFORMING STORAGE FACILITIES	3,580	
WORLDWIDE VARIOUS		13,580
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,580)
TOTALS		
ARMY		
NAVY		
AIR FORCE		
DEFENSE AGENCIES		13,580
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,580)
UNSPECIFIED WORLDWIDE		13,580
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,580)

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION & MARKETING OFFICE, ANNISTON, ALABAMA	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR COST INDEX** 0.88

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			
	OFF	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**TOTAL**
a. AS OF30SEP89	0	0	17	0	0	0	0	0	0	17
b. END FY 1995	0	0	17	0	0	0	0	0	0	17

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENANT OF THE ARMY
b. INVENTORY TOTAL AS OF 30 SEP 89..........................0
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 2,370
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. **GRAND TOTAL** 2,370

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442	Operations Facility and Open Storage	4,850 SF	2,370	12/87	02/90

9. FUTURE PROJECTS:

a. Included in following program (FY 92):
None.

b. Planned next three years:
None.

10. MISSION OR MAJOR FUNCTIONS: Performs Reutilization and Marketing Service operations including the receipt, control, warehousing and preparation of excess and surplus personal property for reutilization, donation, sale or other disposition. Provides interim conforming storage for hazardous material and wastes.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION AND MARKETING OFFICE ANNISTON, ARMY DEPOT, AL	**4. PROJECT TITLE** OPERATIONS FACILITY AND OPEN STORAGE

5. PROGRAM ELEMENT 78012S	**6. CATEGORY CODE** 610	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 2,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..................	-	-	-	553
OPERATIONS FACILITY.............	SF	3,000	$118.33	(355)
DEMILITARIZATION (DEMIL) BUILDING	SF	1,400	$107.85	(151)
MATERIAL HANDLING EQUIPMENT BLDG	SF	450	$104.44	(47)
SUPPORTING FACILITIES............	-	-	-	1577
SITE WORK......................	LS	-	-	(164)
STABILIZE OPEN STORAGE/SCRAPYARD	SY	14,500	$ 20.27	(294)
ROADS (BITUMINOUS & CONCRETE PAVING)......................	SY	33,500	$ 25.94	(869)
FENCING........................	LF	530	$ 28.30	(15)
UTILITIES......................	LS	-	-	(180)
SCRAPBINS......................	LF	500	$ 62.00	(31)
LOADING RAMP (CONCRETE).........	LS	-	-	(11)
DEMOLITION (BUILDING S-274).....	LS	-	-	(13)
SUBTOTAL.........................	-	-	-	2130
CONTINGENCY (5%).................	-	-	-	106
ESTIMATED CONTRACT COST..........	-	-	-	2,236
SUPERVISION, INSPECTION & OVERHEAD 6%.........................	-	-	-	134
TOTAL ESTIMATE...................	-	-	-	2,370
TOTAL ESTIMATE (ROUNDED).........	-	-	-	2,370

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a 3,000 SF operations facility, 1,400 SF DEMIL facility, 450 SF MHE shed, loading ramp, scrap bins, open storage, fencing, utilities. Demolish Building S-274. The operations facility includes fire alarm, heating, air conditioning and restrooms.

11. REQUIREMENT: 4,850 SF ADEQUATE: -0- SF SUBSTANDARD: -0- SF

PROJECT: Provides an operations facility, open storage, scrapyard improvements, and a paved roadway network within the DRMO. (C)

REQUIREMENT: There is a need to provide new and improved facilities to conform with Department of Defense construction criteria for the DRMO operation.

CURRENT SITUATION: The existing World War II constructed operations facility has deteriorated beyond economical repair and will be demolished. An adequate permanent operations facility has never been constructed. The current operations office is housed in a 46-year old wooden building that was originally constructed to last a maximum of ten years.

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1. COMPONENT DEFENSE (DLA)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION
DEFENSE REUTILIZATION AND MARKETING OFFICE, ANNISTON, ARMY DEPOT, AL

4. PROJECT TITLE OPERATIONS FACILITY AND OPEN STORAGE	**5. PROJECT NUMBER** N/A

The roof needs replacing, the exterior walls and the ceiling needs resurfacing. The mechanized equipment handling shed is needed to protect equipment from inclement weather which causes equipment corrosion. The Demilitarization building is needed to demilitarize line items and segregate high dollar value scrap. Employee morale and customer relations would improve, and operational efficiency and productivity would be enhanced.

IMPACT IF NOT PROVIDED: The use of present facilities will result in continuing inefficiencies and continued damage to property which reduces reutilization and proceeds from sales.

OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Manual."

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12. SUPPLEMENTAL DATA:

a. Estimated Design Data:
  (1) Status:
    (a) Date Design Started.....................12/87
    (b) Percent Completed as of January 1990....95%
    (c) Date of 35 Percent Completed............6/88
    (d) Date Design Complete....................2/90

  (2) Basis:
    (a) Standard or Definitive Design ....YES___ NO X
    (b) Date Design Was Most Recently Used......N/A

  (3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
    (a) Production of Plans and Specifications..6
    (b) All other Design Costs..................197
    (c) Total...................................203
    (d) Contract................................___
    (e) In-house................................203

  (4) Construction Start..........................1/91

b. Equipment associated with this project which will be provided from other appropriations. None.

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE DEPOT TRACY, CALIFORNIA	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR COST INDEX** 1.07

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFF	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	
a. AS OF30SEP89	11	4	1603	0	0	0	0	0	0	1,618
b. END FY 1995	11	4	1600	0	0	0	0	0	0	1,615

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 448.2	
b. INVENTORY TOTAL AS OF 30 SEP 89	30,045
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,570
f. PLANNED IN NEXT THREE PROGRAM YEARS	16,000
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	59,315

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218	Consolidated Maintenance Facility	7900 SF	1,700	8/88	6/90

9. FUTURE PROJECTS:

	a. Included in following program (FY 92):				
841	Replace Two Water Wells	2 Each	1,070	11/89	12/90
441	General Purpose Whse	162,000 SF	10,500	11/89	12/90
	b. Planned next three years:				
610	Operations Facility	217,000 SF	16,000	5/90	9/91

10. MISSION OR MAJOR FUNCTIONS: The Defense Depot Tracy, is one of six principal distribution depots within the DLA integrated wholesale distribution system. Its mission is the receipt, storage, maintenance, inventory, and issue of clothing and textile, industrial, medical, petroleum, subsistence and general supplies. Its major function is the distribution of these commodities to all military activities in the eleven Western States and to Army and Air Force activities in the Pacific Area, Western Canada and Alaska. The Depot also stocks certain GSA strategic and critical materials.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Operational Safety and Health (OSH)	0

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE DEPOT TRACY, TRACY, CA	**4. PROJECT TITLE** CONSOLIDATED MAINTENANCE FACILITY

5. PROGRAM ELEMENT 71111S	**6. CATEGORY CODE** 218	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 1,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY	-	-	-	780
MAINTENANCE FACILITY	SF	7,900	98.73	(780)
SUPPORT FACILITIES	-	-	-	722
ELECTRICAL SERVICE	LS	-	-	(40)
WATER SEWER & GAS	LS	-	-	(30)
PAVING, WALKS, CURB & GUTTER	LS	-	-	(60)
DEMOLITION	SF	5,928	13.00	(77)
SITE IMPROVEMENTS	LS	-	-	(110)
ASBESTOS REMOVAL/DISPOSAL	LS	-	-	(50)
FIRE PROTECTION	LS	-	-	(125)
PAINT BOOTH	EA	1	75,000	(75)
RAILROAD REMOVAL/NEW	LS	-	-	(150)
INFORMATION SYSTEM	LS	-	-	(5)
SUBTOTAL	-	-	-	1,502
CONTINGENCY (5%)	-	-	-	75
ESTIMATED CONTRACT COST	-	-	-	1,577
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	95
TOTAL ESTIMATE	-	-	-	1,672
TOTAL ESTIMATE (ROUNDED)	-	-	-	1,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction of a non-combustible pre-engineered addition to existing Building 201. Addition will increase maintenance facility and provide a locomotive maintenance bay with service pit. Facility to be insulated metal panel walls and roof to match existing. It will be heated and ventilated and will be sprinklered, including existing facility. Demolition of existing Building 206 includes removal and disposal of asbestos siding but not concrete slab and foundation. Concrete slab and foundation of Building 206 will be removed later. Construct new railroad spur to the locomotive maintenance bay. Included is electrical, mechanical, a paint booth and all utility connections to existing, with concrete aprons.

11. REQUIREMENT: 7,900 SF **ADEQUATE:** -0- SF **SUBSTANDARD:** 10,540 SF

PROJECT: Provides additional Maintenance Shops and Storage Spaces including a Paint Booth for support of Vehicle Maintenance.

REQUIREMENT: There is a requirement to provide suitable space for repair and maintenance of railroad switch engines, construction equipment, forklifts, tire repair for all Depot vehicles, and paint preparation and paint spray booths.

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PAGE NO

1. COMPONENT **DEFENSE (DLA)**	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION
DEFENSE DEPOT TRACY, TRACY, CA

4. PROJECT TITLE CONSOLIDATED MAINTENANCE FACILITY	**5. PROJECT NUMBER** N/A

CURRENT SITUATION: Building 206 was constructed in 1942 to temporary wartime construction standards. The wooden frame and roof trusses are badly deteriorated and two roof trusses have broken members. Additionally, the small office, parts storage rooms, and toilet/locker are not used for support of locomotive services, but provide additional space for parts storage to support the vehicle maintenance activities in Building 201. The separation between building 201 and 206 renders retreival of parts stored in Building 206 inconvenient and time consuming. Building 201 has adequate office, toilet and locker facilities to support locomotive crews. Major locomotive maintenance now is done by contract in outside facilities and Building 206 is no longer needed. Building 201 does not provide adequate space for support of all vehicle maintenance activities required to support present mission activities. This problem is compounded by using maintenance space for storage of parts in building 201. Parts storage also occupies space in Building 10 and 225. Lubrication is performed in Building 225 which is adjacent to the motor pool. This removes an important portion of maintenance from other associated activities. In addition, Building 225 does not provide adequate facilities for complete lubrication service load of DDTC. The paint booth in Building 10 is inadequate, both in size and orientation, and much spray painting must, of necessity, be be accomplished outside in the open air with no environmental controls.
IMPACT IF NOT PROVIDED: An obsolete, potentially dangerous, WWII wooden building will continue to be used to house equipment, engine, and tire maintenance and repair. Paint Booth equipment in Warehouse 10 will require repair/replacement and still will not accommodate a significant portion of Depot equipment.
OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Manual".

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:
(1) Status:
(a) Date Design Started.................... 9/88
(b) Percent Complete as of January 1990..... 50
(c) Date of 35 Percent Completed........... 9/89
(d) Date Design Complete.................. 7/90

(2) Basis:
(a) Standard or Definitive Design.....Yes ___ No x
(b) Date Design Was Most Recently Used...... NA

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1. COMPONENT DEFENSE (DLA)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE DEPOT TRACY, TRACY, CA		
4. PROJECT TITLE CONSOLIDATED MAINTENANCE FACILITY		**5. PROJECT NUMBER** N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications....	95
(b) All Other Design Costs....................	70
(c) Total.....................................	165
(d) Contract..................................	-
(e) In-house..................................	-

(4) Construction Start............................ -

b. Equipment associated with this project which will be provided from other appropriations. None.

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION AND MARKETING OFFICE EGLIN AIR FORCE BASE, FL	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR COST INDEX** 0.80

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			
	OFF	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**TOTAL**
a. AS OF30SEP89	0	0	21	0	0	0	0	0	0	21
b. END FY 1995	0	0	21	0	0	0	0	0	0	21

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENANT OF THE AIR FORCE
b. INVENTORY TOTAL AS OF 30 SEP 89........................0
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 2,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. **GRAND TOTAL** 2,850

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442	COVERED & OPEN STORAGE	70,300	2,850	12/87	2/90

9. FUTURE PROJECTS:

a. Included in the following program (FY 92):
None.

b. Planned next three years:
None.

10. MISSION OR MAJOR FUNCTIONS: Performs Reutilization and Marketing Service operations including the receipt, control, warehousing and preparation of excess and surplus personal property for reutilization, donation, sale or other disposition. Provides conforming interim storage for hazardous material and wastes.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

DD 1390

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION & MARKETING OFFICE EGLIN, EGLIN AIR FORCE BASE, FL	**4. PROJECT TITLE** COVERED AND OPEN STORAGE

5. PROGRAM ELEMENT 78012S	**6. CATEGORY CODE** 442	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 2,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..................	-	-	-	1,412
COVERED STORAGE..................	SF	51,300	$22.65	(1,162)
WAREHOUSE NO. 515 (ALTERATION)...	SF	16,000	$ 5.68	(91)
MHE SHED/PRECIOUS METAL BUILDING.	SF	3,000	$53.00	(159)
SUPPORTING FACILITIES..............	-	-	-	1,149
STABILIZE OPEN STORAGE...........	SY	11,250	$12.62	(142)
CONCRETE SCRAP BINS..............	SY	3,612	$17.71	(64)
SITE PREPARATION................	LS	-	-	(153)
DRAINAGE........................	LS	-	-	(23)
UTILITIES.......................	SF	51,300	$ 5.55	(285)
PAVE OPEN STORAGE & ROADS........	SY	23,300	$19.19	(446)
DEMOLITION......................	LS	-	-	(36)
SUBTOTAL..........................	-	-	-	2,561
CONTINGENCY (5%)..................	-	-	-	128
ESTIMATED CONTRACT COST............	-	-	-	2,689
SUPERVISION, INSPECTION & OVERHEAD (6%)....................	-	-	-	161
TOTAL ESTIMATE.....................	-	-	-	2,850
TOTAL ESTIMATE (ROUNDED)...........	-	-	-	2,850

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a 51,300 SF noncombustible covered storage facility, 3,000 SF Material Handling Equipment (MHE) shed/precious metal building and concrete scrap bins; stabilize 11,250 SY of open storage, and pave 23,300 SY of open storage and roads. Also demolish Buildings 518, 519, 520 and 521 and alter Building 515 to provide adequate utilities and fire protection. The covered storage includes fire sprinkler/alarm system, lighting and ventilation. The MHE shed/precious metal building includes lighting HVAC (heating, ventilation and air conditioning), plumbing and utilities extensions.

11. REQUIREMENTS: 70,300 SF ADEQUATE: 0 SF SUBSTANDARD : 0 SF

PROJECT: Provides a new warehouse, shed, and improvements to existing facilities. (C)

REQUIREMENT: There is a need to upgrade existing facilities and provide new facilities for the DRMO to carry out the disposal and reutilization mission. This DRMO is responsible for the receipt, reutilization and disposal of surplus material for Eglin AFB, tenant of the base, and two nearby military activities (Ft Rucker and Tyndall AFB).

1. COMPONENT DEFENSE(DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION
DEFENSE REUTILIZATION AND MARKETING OFFICE EGLIN, EGLIN AFB, FL

4. PROJECT TITLE COVERED AND OPEN STORAGE	**5. PROJECT NUMBER** N/A

CURRENT SITUATION: DRMO Eglin's shortage of covered storage has been exacerbated by the fact that the off-site Branch at Tyndall AFB must send material to Eglin because they have insufficient space to accept all turn-ins. Insufficient covered storage requires some weather sensitive material such as furniture to be stored outside. The new storage facility will replace two quonset huts. These 28-year old huts have no ventilation or air conditioning, and the curved roofs cut down on storage space. The huts have deteriorated beyond economical repair and will be demolished. The present MHE shed and precious metal building is also in poor condition without ventilation or air conditioning. Improvement to the warehouse facility include lighting, fire detection and a sprinkler/alarm system. The present open storage area and roads are paved with crushed sea shells. These shells over time are ground into powdery dust. This dust gets into the motor and steering mechanism of forklifts, necessitating frequent maintenance and repair work, and causes deterioration of material stored outside. In addition, the dust creates a health problem for personnel working outside. The scrap bins are also on a crushed shell base. The shell are integrated with the scrap which decreases the value of the material.

IMPACT IF NOT PROVIDED: Deferral of this project will result in continued use of undersized, inadequate warehouses and open areas resulting in inefficient operations and loss of revenue to the government, and unhealthy working conditions for employees.

OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Manual."

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:
  (1) Status:
    (a) Date Design Started........................12/87
    (b) Percent Complete as of September 89........95%
    (c) Date of 35 Percent Completed...............05/88
    (d) Date Design Complete........................02/90

  (2) Basis:
    (a) Standard or Definitive Design..............YES
    (b) Date Design Was Most Recently Used.........N/A

  (3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
    (a) Production of Plans and Specifications.....260
    (b) All Other Design Costs.....................15
    (c) Total......................................275
    (d) Contract...................................275

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1. COMPONENT **DEFENSE(DLA)**	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** **JAN 90**
3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION AND MARKETING OFFICE EGLIN, EGLIN AFB, FL		
4. PROJECT TITLE COVERED AND OPEN STORAGE		**5. PROJECT NUMBER** N/A

(4) Construction Start..............................1/91

b. Equipment associated with this project which will be provided from other appropriations. None.

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION & MARKETING OFFICE, FORT MEADE, MARYLAND	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR COST INDEX** 0.92

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFF	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	
a. AS OF30SEP89	0	0	22	0	0	0	0	0	0	22
b. END FY 1995	0	0	22	0	0	0	0	0	0	22

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENANT OF THE ARMY
b. INVENTORY TOTAL AS OF 30 SEP 89..........................0
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 9,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. **GRAND TOTAL** 9,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442	Covered Storage	89,600 SF	9,500	3/87	12/89

9. FUTURE PROJECTS:

a. Included in following program (FY 92):
None.

b. Planned next three years:
None.

10. MISSION OR MAJOR FUNCTIONS: Performs Reutilization and Marketing Service operations including the receipt, control, warehousing and preparation of excess and surplus personal property for reutilization, donation, sale or other disposition. Provides conforming interim storage for hazardous material and wastes.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

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1. COMPONENT DEFENSE(DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION & MARKETING OFFICE FORT MEADE, MARYLAND	**4. PROJECT TITLE** COVERED STORAGE

5. PROGRAM ELEMENT 78012S	**6. CATEGORY CODE** 442	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 9,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..................	SF	89,600	59.20	5,304
COVERED STORAGE................	SF	80,000	49.04	(3,923)
ADMINISTRATIVE SPACE...........	SF	5,600	91.00	(510)
MATERIAL HANDLING EQUIPMENT/ DEMIL SHED....................	SF	4,000	52.00	(208)
TRUCK SCALE.....................	LS	-	-	(85)
SCRAP BINS......................	SY	10,700	54.00	(578)
SUPPORTING FACILITIES.............	-	-	-	3,236
SITE PREPARATION...............	LS	-	-	(500)
OPEN STORAGE (PAVED)............	SY	56,000	22.00	(1,232)
PARKING AND ROADWAYS (PAVED)....	SY	18,300	22.00	(403)
UTILITIES, FENCING, LIGHTING....	LS	-	-	(600)
COMMUNICATIONS..................	LS	-	-	(8)
UTILITIES RELOCATION (PRIVATE COMPANY).................	LS	-	-	(143)
DEMOLITION......................	LS	-	-	(350)
SUBTOTAL..........................	-	-	-	8,540
CONTINGENCY (5%)..................	-	-	-	427
ESTIMATED CONTRACT COST...........	-	-	-	8,967
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%).................	-	-	-	493
TOTAL ESTIMATE....................	-	-	-	9,460
TOTAL ESTIMATE (ROUNDED)..........	-	-	-	9,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct an 80,000 SF general purpose warehouse with an additional 5,600 SF of administrative area and a 4,000 SF Material Handling Equipment/Demil (MHE/Demil) shed. Construction includes concrete scrap bins, 70 ton truck scale, fencing, lighting, paved open storage area, parking and roadway work. This project will relocate a power line belonging to Baltimore Gas and Electric Co. Provide the warehouse and MHE/Demil shed with fire alarm, sprinkler, heating and ventilation. Provide heating, ventilation and air conditioning in the Admin area. Demolition includes the removal of two wooden buildings, two metal sheds and their supporting facilities.

11. REQUIREMENT: 89,600 SF ADEQUATE: -0- SF SUBSTANDARD: -0- SF

PROJECT: Provides for consolidation of activities into a single contiguous location at the existing site. Construction provides new and improved covered storage facilities. (C)

REQUIREMENT: Adequate covered storage protection is required for general purpose items. The Defense Logistics Agency is the responsible agency within the Department of Defense for worldwide disposal of most property. It is essential that related construction requirements needed to fulfill this mission be provided. The closing of the DRMO at Brandywine, Maryland as a result of a fire has increased the mission at DRMO Ft. Meade. This

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION
DEFENSE REUTILIZATION & MARKETING OFFICE FORT MEADE, MARYLAND

4. PROJECT TITLE COVERED STORAGE	**5. PROJECT NUMBER** N/A

additional workload has added to the shortage of storage space. This project will provide a more safe, modern and efficient means of performing mission-related requirements. Productivity will be enhanced with consolidation of the warehouses.

CURRENT SITUATION: The DRMO presently has split operations, using eleven buildings and five open storage scrapyards that are separated. This decreases operational efficiency. Four major warehouses are 45 year old World War II temporary buildings. These old buildings have low roofs, many interior columns and were not constructed for 4,000 pound forklift use or three level rack stacking. These facilities will be demolished. A large quantity of items such as office equipment are stored outside resulting in deterioration of the material due to weather.

IMPACT IF NOT PROVIDED: Property will continue to be stored outside with a resultant loss in reutilization and proceeds from sales due to deterioration from weather.

OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:
  (1) Status:
    (a) Date Design Started........................3/86
    (b) Percent Complete as of January 1990........95%
    (c) Date of 35 Percent Completed...............8/87
    (d) Date Design Complete.......................4/90

  (2) Basis:
    (a) Standard or Definitive Design.............YES __ NO X
    (b) Date Design Was Most Recently Used.........N/A

  (3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
    (a) Production of Plans and Specifications...... 15
    (b) All Other Design Costs...................... 820
    (c) Total....................................... 835
    (d) Contract.................................... 0
    (e) In-house.................................... 835

  (4) Construction Start..............................1/91

b. Equipment associated with this project which will be provided from other appropriations. None.

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** **JAN 90**
3. INSTALLATION AND LOCATION DEFENSE DEPOT COLUMBUS, OHIO	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR COST INDEX** 0.97

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFF	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	
a. AS OF30SEP89	38	0	3283	0	0	0	34	31	1307	4,693
b. END FY 1995	38	0	3335	0	0	0	77	31	1307	4,861

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 566
b. INVENTORY TOTAL AS OF 30 SEP 89 32,390
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 13,530
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. **GRAND TOTAL** 45,920

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441	Bulk Storage Warehouse	203,000 SF	13,530	6/89	9/90

9. FUTURE PROJECTS:

a. Included in following program (FY 92):
None.

b. Planned next three years:
None.

10. MISSION OR MAJOR FUNCTIONS: Organizes, directs, manages, administers, and controls construction supplies and services to be distributed to the Army, Navy and Air Force. Includes computation of requirements, inventory control, item management classification, direction of maintenance, manufacturing, and storage of supplies.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

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1. COMPONENT DEFENSE (DLA)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE DEPOT COLUMBUS, OHIO	**4. PROJECT TITLE** BULK STORAGE WAREHOUSE

5. PROGRAM ELEMENT 71111S	**6. CATEGORY CODE** 441	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 13,530

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..................	-	-	-	10,085
BULK WAREHOUSE..................	SF	200,000	46.64	(9,328)
ADMINISTRATIVE AREA.............	SF	3,000	93.46	(280)
FIRE SUPPRESSION SYSTEM..........	SF	203,000	2.35	(477)
SUPPORT FACILITIES................	-	-	-	2,070
SITE PREPARATION/DEMOLITION/ UTILITY.......................	LS	-	-	(1,220)
PARKING AREA.....................	LS	-	-	(850)
SUBTOTAL..........................	-	-	-	12,155
CONTINGENCTY (5%).................	LS	-	-	3,608
ESTIMATED CONTRACT COST............	-	-	-	12,763
SUPERVISION, INSPECTION & OVERHEAD (6%)............................	-	-	-	766
TOTAL ESTIMATE.....................	-	-	-	13,529
TOTAL ESTIMATE (ROUNDED)...........	-	-	-	13,530
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD).........	-	-	-	(2,950)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a 200,000 SF storage warehouse with a 25 FT minimum clear stacking height. The roof shall be metal standing seam; walls shall be a combination of Concrete Masonary Unit (CMU) and insulated metal siding; floors shall be concrete with a capacity of 1,000 pounds per square foot (psf). The 5 bays shall be 200 x 200 FT with a single centerline row of columns at 40 feet o.c. The building will contain an area for administrative personnel (3,000 SF) and a battery charging room. The facility will be heated by its own heating system, contain ventilation and full utility support to include fire suppression and alarm systems. Exterior support includes the relocation of a 10 x 10 foot metal storage shed used to house propane tanks, asphalt and concrete pavement, and utility modifications necessary to support site clearance and facility requirements. Access for the handicapped will be required.

11. REQUIREMENT: 203,000 SF **ADEQUATE:** -0- SF **SUBSTANDARD:** -0- SF

PROJECT: Provides a permanent warehouse to support the bulk mission of the Defense Depot Columbus Ohio (DDCO). (C)

REQUIREMENT: DDCO has the mission to properly store materiel until it is required by the armed forces throughout the world. One part of that

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION
DEFENSE DEPOT, COLUMBUS, OHIO

4. PROJECT TITLE BULK STORAGE WAREHOUSE	**5. PROJECT NUMBER** N/A

mission is the handling, processing, and storage of bulk materiel. A large part of the bulk items assigned to DLA are stored at DDCO. Existing facilities are inadequate.

CURRENT SITUATION: DDCO currently occupies all or part of 28 buildings. The current storage requirement exceeds available space by 14%. The buildings cannot meet their required mission. The problem has caused DDCO to look to alternate means of storage. These result in increased manpower and lower overall productivity for the entire DDCO operation. The excessive movement does not allow DDCO personnel to perform their job efficiently. The bulk storage mission is currently spread out in 3 buildings, one of which was constructed in 1918. These buildings cannot meet the requirements of a modern warehousing complex due to their advanced age, low ceiling height, and 20 FT o.c. column spacing. The introduction of modern storage aids cannot solve the problem. The problem lies in the structural characteristics which cannot be changed or overcome by any storage method.

IMPACT IF NOT AVAILABLE: Any delay in the construction of the new bulk warehouse will have a major impact on the DDCO operation. The inability to store the required materials will result in mission failure. Existing facilities cannot support their current mission. The figures indicate a need for more storage space to meet the FY 94 requirements. This may only be accomplished through construction of the new warehouse.

OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design manual."

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................. 6/89
(b) Percent Complete as of January 1990... 35
(c) Date of 35 Percent Completed.......... 1/89
(d) Date Design Complete.................. 9/90

(2) Basis:
(a) Standard or Definitive Design....Yes x No ___
(b) Date Design Was most Recently Used..... N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.... 900
(b) All Other Design Costs.................... 500
(c) Total..................................... 1,400
(d) Contract.................................. 900
(d) In-house.................................. 500

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE DEPOT, COLUMBUS, OHIO		
4. PROJECT TITLE BULK STORAGE WAREHOUSE		**5. PROJECT NUMBER** N/A

(4) Construction Start........................ 12/90

b. Equipment associated with this project which will be provided from other appropriations.

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated As Requested	Cost ($000)
Mechanized Material Handling System	PDA	91	2,950

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1. COMPONENT DEFENSE (DLA)	FY 1991 MILITARY CONSTRUCTION PROGRAM	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE DEPOT MECHANICSBURG MECHANICSBURG, PENNSYLVANIA	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR COST INDEX** 0.88

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF30SEP89	11	7	1491	0	0	0	0	0	0	1509
b. END FY 1995	11	9	1532	0	0	0	0	0	0	1552

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENNANT OF THE NAVY	
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	18,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,600
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	19,700

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441	Two General Purpose Whses	263,446 SF	15,100	9/88	5/90
218	Upgrade Industrial Plant Equipment Building	2,750 SF	3,000	3/89	6/90

9. FUTURE PROJECTS:

a. Included in following program (FY 92):
None

b. Planned next three years:

451	Concrete Hardstands	LS	500	5/90	6/91
451	Bituminous Hardstand	17,778 SY	1,100	5/90	7/91

10. MISSION OR MAJOR FUNCTIONS: Defense Depot Mechanicsburg is one of six principal distribution depots within the DLA integrated wholesale distribution system. Its major function is the distribution of medical, clothing, textile, subsistence, commissary, general and industrial supplies to all military activities in the northeastern U.S., eastern Canada, and to Army and Air Force activities in the Atlantic, European, and Pacific areas. In addition, Defense Depot Mechanicsburg is assigned the mission of inspection, testing, repair and rebuilding of industrial plant equipment.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE DEPOT MECHANICSBURG, MECHANICSBURG, PA	**4. PROJECT TITLE** Two General Purpose Warehouses

5. PROGRAM ELEMENT 71111S	**6. CATEGORY CODE** 441	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 15,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES...............	SF	263,446	41.03	10,809
TWO WAREHOUSE BUILDINGS........	SF	247,254	40.00	(9,890)
OFFICE ANNEX..................	SF	5,896	68.54	(404)
EQUIPMENT CROSSOVER............	SF	10,296	50.00	(515)
SUPPORTING FACILITIES............		-	-	2,772
DEMOLITION AND DISPOSAL........	LS	-	-	(620)
UTILITIES......................	LS	-	-	(300)
RAILROAD TRACK REMOVAL & STABILIZED BASE............	LS	-	-	(97)
SITE IMPROVEMENTS..............	LS	-	-	(215)
FILL MATERIAL & COMPACTION.....	LS	-	-	(310)
ASBESTOS REMOVAL/DISPOSAL......	LS	-	-	(1,230)
SUBTOTAL.........................	--	-	-	13,581
CONTINGENCY (5%).................	-	-	-	679
ESTIMATED CONSTRUCTION COST......	-	-	-	14,260
SUPERVISION, INSPECTION & OVERHEAD (6%).............	-	-	-	856
TOTAL ESTIMATE...................	-	-	-	15,116
TOTAL ESTIMATE (ROUNDED..........	-	-	-	15,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)	-	-	-	(7,008)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct two general purpose warehouses with dock level concrete floor structural steel framing, insulated metal panel walls, insulated metal roof deck with elastomeric roofing (EPDM), concrete masonry interior fire rated walls, fire protection alarm and sprinkler system, power distribution, lighting, heating, and ventilation. The two warehouses are to be connected with an equipment crossover with battery charging area and office annex, including break room, toilet facilities, mechanical electrical rooms, with facilities for the handicapped. Demolish existing warehouses 103/104 including asbestos removal, removal of railroad tracks, fill material and stabilize base. The office annex will have heating, ventilation, and 15 tons of air conditioning.

11. **REQUIREMENT:** 263,446 SF **ADEQUATE:** -0- SF **SUBSTANDARD:** -0- SF

PROJECT: Provides two new warehouses to meet current and projected requirements.

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE DEPOT MECHANICSBURG, MECHANICSBURG, PA		
4. PROJECT TITLE Two General Purpose Warehouses		**5. PROJECT NUMBER** N/A

REQUIREMENT: Construct two general purpose warehouses (GPW) to relieve critical shortage of GPW storage space. This additional space will facilitate material handling currently stored in overaged/outmoded facilities. The GPW's will provide covered storage allowing efficient operational flexibility and timely supply of material to the customer without undue exposure of the material to the elements. This will allow transfer of the material from existing outmoded, labor-intensive facilities that do not allow mechanization effeciencies to be gained to the new GPWs. Replacement of the old facilities are planned in an out year program. The new warehouses will be equipped with a mechanized material handling system for maximum use and efficiency. The automated system will be obtained using O&M and PDA funds at a cost of $7,008,000.

CURRENT SITUATION: DDMP is currently experiencing a severe shortage of warehouse space which results in impeding mission performance. Approximately 103.5 percent of available usable general purpose storage space is being utilized resulting in cramped aisles, unsafe storage and slow materials handling operations.

IMPACT IF NOT PROVIDED: Material will continue to be stored in overcrowded, unsafe, and adverse conditions. Mission performance will continue to be unduly slowed by antiquated, overcrowded conditions, and mission stocks will continue to deteriorate at a high rate due to exposure to the elements when temporarily stored outside.

OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Manual."

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started...................... 9/88

(b) Percent Complete as of January 1990...... 70

(c) Date of 35 Percent Complete............. 8/89

(d) Date Design Complete.................... 5/90

(2) Basis:

(a) Standard or Definitive Design......Yes ___ No x

(b) Date Design Was Most Recently Used....... N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications..... 900

1. COMPONENT DEFENSE (DLA)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90
3. INSTALLATION AND LOCATION DEFENSE DEPOT MECHANICSBURG, MECHANICSBURG, PA		
4. PROJECT TITLE TWO GENERAL PURPOSE WAREHOUSES		5. PROJECT NUMBER N/A

(b) All Other Design Costs.................... 500
(c) Total.................................. 1,400
(d) Contract.................................. 0
(e) In-house.................................. 0

(4) Construction Start........................ 11/90

b. Equipment associated with this project which will be provided from other appreciations.

Equipment Nomenclature	Procurring Appropriation	FY Appropriations As Requested	Cost ($000)
Material Handling Equipment	PDA	FY 91	2,400
Storage Aids	O&M	FY 91	4,608

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE DEPOT MECHANICSBURG,(DDMP) MECHANICSBURG, PA	**4. PROJECT TITLE** UPGRADE INDUSTRIAL PLANT EQUIPMENT BUILDING

5. PROGRAM ELEMENT 71111s	**6. CATEGORY CODE** 218	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..................				2,155
BOILER ROOM & TANK STORAGE.....	SF	2750	213.82	(588)
INTERIOR ALTERATIONS...........	SF	12,270	36.02	(442)
DEGREASING BOOTH...............	SF	1880	101.60	(191)
PAINT STRIPPING BOOTH..........	SF	1188	496.63	(590)
PAINT SPRAY BOOTH..............	SF	1188	289.56	(344)
SUPPORT FACILITIES...............				543
ASBESTOS REMOVAL/DISPOSAL......	SF	2200	27.27	(60)
DEMOLITION & DISPOSAL..........	LS	-	-	(40)
SITE IMPROVEMENTS..............	LS	-	-	(38)
ELECTRICAL.....................	LS	-	-	(60)
MECHANICAL.....................	LS	-	-	(345)
SUBTOTAL.......................	-	-	-	2,698
CONTINGENCY (5%)..............	-	-	-	135
ESTIMATED CONTRACT COST.......	-	-	-	2,833
SUPERVISION INSPECTION & OVERHEAD (5.5%)..............	-	-	-	170
TOTAL ESTIMATE................	-	-	-	3,003
TOTAL ESTIMATE (ROUNDED)......	-	-	-	3,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(900)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Addition of a 2750 SF insulated metal siding building with a common masonry two hour fire rated wall adjacent to existing building 505. The tank room construction is for explosion release since this addition will house degreasing agents, paints, paint strippers, wastes generated by the degreasing, paint stripping and painting operation, a fuel oil tank, air compressor for equipment, purified air compressor for operators, a boiler room and a change room. Degreasing, paint stripping and paint booths will be built within existing building 505, bays A-C1 thru 1-7, complete with heating, ventilation, electrical, compressed air, purified air, and waste drainage into vessels located in the tank room. Other areas within building 505 will be upgraded as work stations for dismantling, upgrading, reassemblage and rebuilding of industrial plant equipment. Provide fire protection, eye lavages and showers to meet NFPA, OSHA, and EPA requirements.

11. REQUIREMENTS: 2750 SF **ADEQUATE:** -0-SF **STANDARD:** -0-SF

PROJECT: Provides for construction of a 2750 SF addition, degreasing, paint stripping and paint booths. Upgrades existing building 505 to provide work stations for the retrofit, rebuild, and paint of Industrial Plant Equipment (IPE) for DoD wide agencies.

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION
DEFENSE DEPOT MECHANICSBURG, (DDMP), MECHANICSBURG, PA

4. PROJECT TITLE UPGRADE INDUSTRIAL PLANT EQUIPMENT BUILDING	**5. PROJECT NUMBER** N/A

REQUIREMENT: There is a requirement to increase production efficiency to ensure the timely delivery of much needed IPE for various agencies throughout the Department of Defense and provide adequate safety protection for personnel. The upgrades of IPE, Bldg 505, is essential in meeting future as well as present demands of customers, such as the U.S. Active Fleet, Army and Air Force units in Europe. This project will increase capabilities with 44 additional work stations as well as the ability to handle larger machines weighing up to 40 tons, in a safer environment. It will allow the utilization of an increased work area more efficiently with the capability to clean, degrease, strip and paint machines in a more cost effective way thus increasing productivity.

CURRENT SITUATION: Existing facilities cannot handle large industrial machinery weighing up to 40 tons. Currently degreasing, cleaning, paint stripping and painting are accomplished manually. Wastes generated by these operations are also handled manually and present a problem for proper disposal. The operation is very time consuming due to lack of proper lifting, and moving equipment. Work stations for dismanting and reassemble of machines are insufficient in quantity and are antiquated for efficient utilization of the equipment. Methods currently used do not allow for an efficient operation, personnel safety and productivity to meet customer requirements for the rebuild, retrofit, and upgrade of industrial equipment. Return of the industrial equipment is critical in meeting sailing scheduled dates by the Active Fleet, and mission scheduled dates for Army and Air Force.

IMPACT IF NOT PROVIDED: The impact of our mission would be adverse to our present and future needs of DoD, thus the operation will continue to operate in unsafe and nonfunctional work environment which affects employee morale and productivity.

OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, " Facility Planning and Design Manual".

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:
(1) Status:
(a) Date Design Started.......................... 3/89
(b) Percent Complete as of January 1990........... 60
(c) Date of 35 Percent Completed.................. 11/89
(d) Date Design Complete.......................... 6/90

(2) Basis:
(a) Standard or Definitive Design ....Yes ___ No x
(b) Date Design Was Most Recently Used........ N/A

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE DEPOT MECHANICSBURG (DDMP), MECHANICSBURG, PA		
4. PROJECT TITLE UPGRADE INDUSTRIAL PLANT EQUIPMENT BUILDING		**5. PROJECT NUMBER** N/A

	($000)
(3) Total Cost (c) = (a) + (b) or (d) + (e):	
(a) Production of Plans and Specifications	170
(b) All Other Design Costs	120
(c) Total	290
(d) Contract	-
(e) In-house	-
(4) Construction Start	11/90

b. Equipment associated with this project which will be provided from other appropriations.

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED AS REQUESTED	COST ($000)
22 ea. Bridge Cranes 2T	PDA	1991	550
3 ea. Bridge Cranes 5T	PDA	1991	100
7 ea. Low Bed Railroad Platforms	PDA	1991	250

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE PERSONNEL SUPPORT CENTER PHILADELPHIA, PA	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR COST INDEX** 1.08

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			
	OFF	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**TOTAL**
a. AS OF30SEP89	101	5	5171	3	0	74	0	0	0	5354
b. END FY 1995	101	5	5171	3	0	74	0	0	0	5354

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 86.3
b. INVENTORY TOTAL AS OF 30 SEP 89 30,859
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,940
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. **GRAND TOTAL** 34,799

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
852	DEMOLISH BLDG M-5 AND CONVERT TO PARKING	14,700 SY	3,940	11/86	2/90

9. FUTURE PROJECTS:

a. Included in following program (FY 92):
None.
b. Planned next three years:
None.

10. MISSION OR MAJOR FUNCTIONS: Defense Personnel Support Center exercises supply management of wholesale stocks of quality foods, clothing, and medical supplies to the Military Services worldwide and to other agencies of Federal Government. It serves as the National Inventory Control Point for all assigned items and operates Quality Assurance Laboratories for medical, clothing, textile and subsistence items. DPSC supports the operations of a clothing manufacturing facility.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE PERSONNEL SUPPORT CENTER PHILADELPHIA, PA	**4. PROJECT TITLE** DEMOLISH BUILDING M-5 AND CONVERT TO PARKING AREA

5. PROGRAM ELEMENT 71111S	**6. CATEGORY CODE** 852	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 3,940

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PARKING LOT........................	-	-	-	722
EXCAVATION & DISPOSAL...........	CY	7,140	40.2	(287)
MECHANICAL BLDG.................	SF	960	85.0	(82)
PAVING & BASE...................	SY	14,700	24.0	(353)
SUPPORTING FACILITIES.............	-	-	-	2,815
DEMOLITION/DISPOSAL BLDG M-5.....	SF	136,800	14.0	(1,915)
ASBESTOS/PCB REMOVAL & DISPOSAL..	LS	-	-	(400)
SITE IMPROVEMENTS...............	LS	-	-	(320)
UTILITIES.......................	LS	-	-	(170)
SUBTOTAL..........................	-	-	-	3,537
CONTINGENCY (5%)..................	-	-	-	177
ESTIMATED CONTRACT COST...........	-	-	-	3,714
SUPERVISION, INSPECTION & OVERHEAD (6%)............................	-	-	-	223
TOTAL ESTIMATE....................	-	-	-	3,937
TOTAL ESTIMATE (ROUNDED)..........	-	-	-	3,940

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will demolish an existing 70 year old warehouse (Bldg M-5) which is structurally unsound and provide 337 parking spaces for DPSC employees. The demolition work will include termination and relocation of utilities and power lines; removal of asbestos materials and transformers containing PCB; demolition of warehouse structure, concrete docks/ramps, pavement, electrical and selected mechanical sections; hauling and disposal. Construction will include excavation, bituminous paving with parking markers, drainage system, ramps for handicapped, and sidewalks. The project also includes construction of a permanent building to house mechanical equipment.

11. **REQUIREMENT:** 14,700 SY **ADEQUATE:** -0- SY **SUBSTAMDARD:** 14,700 SY

PROJECT: Provides for demolition of Building M-5 and conversion to parking area. (C)

REQUIREMENT: Bldg M-5 is almost 70 years old and has exceeded its anticipated life span. In 1982, the U.S. Army Corps of Engineers performed an extensive field investigation and total structural analysis of Bldg M-5. Results of this analysis showed the structure to be overstressed for vertical and lateral loads and determined that the building was structurally unsound and uneconomical to repair. The demolished area will be paved

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION
DEFENSE PERSONNEL SUPPORT CENTER, PHILADELPHIA, PA

4. PROJECT TITLE DEMOLISH BUILDING M-5 AND CONVERT TO PARKING AREA	**5. PROJECT NUMBER** N/A

to provide 337 parking spaces within the DPSC property lines. Additional construction for the mechanical equipment building is to house a boiler room that is needed to heat Bldg M-6. The boiler room is currently located in Bldg M-5.

CURRENT SITUATION: The existing warehouse was constructed in 1918. It contains 118,800 SF of storage space and 18,000 SF of loading docks. Over the years, the warehouse has undergone some modifications including conversion of 73,000 SF to administrative area and weatherometer testing laboratory. However, due to unsafe conditions, the administrative area has been vacated. Presently only 66,000 SF of the building is used for dead storage and equipment. The remaining space is vacant. Personnel occupancy is limited to receipt and issue operations with no personnel occupancy at all during periods of high wind or heavy snowloads. DPSC parking facilities consist of 2,442 parking spaces. Twenty percent of these spaces are presently located on a Government-owned, off-site parking facility that does not have security coverage.

IMPACT IF NOT PROVIDED: An underutilized substandard warehouse will continue to be a safety hazard to both people and property.

OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Manual."

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:
(1) Status:
(a) Date Design Started.......................... 11/86
(b) Percent Complete as of January 1990.......... 98
(c) Date of 35 Percent Completed................. 6/87
(d) Date Design Complete......................... 2/90

(2) Basis:
(a) Standard or Definitive Design....Yes ____ No x
(b) Date Design Was Most Recently Used...... N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.......... 230
(b) All Other Design Costs.......................... 150
(c) Total... 380
(d) Contract.. 230
(e) In-house.. 150

(4) Construction Start................................ 11/90

b. Equipment associated with this project which will be provided from other appropriations. None.

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION & MARKETING OFFICE, FORT JACKSON, SC	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR COST INDEX** 0.80

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFF	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	
a. AS OF30SEP89	0	0	18	0	0	0	0	0	0	18
b. END FY 1995	0	0	18	0	0	0	0	0	0	18

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENANT OF THE ARMY	
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
452	Open Storage Improvements	24,000 SY	500	1/89	6/90

9. FUTURE PROJECTS:

a. Included in following program (FY 92):
None.

b. Planned next three years:
None.

10. MISSION OR MAJOR FUNCTIONS: Performs Reutilization and Marketing Service operations including the receipt, control, warehousing and preparation of excess and surplus personal property for reutilization, donation, sale or other disposition. Provides conforming interim storage for hazardous material and wastes.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION AND MARKETING OFFICE FT JACKSON, SC	**4. PROJECT TITLE** OPEN STORAGE IMPROVEMENTS

5. PROGRAM ELEMENT 78012S	**6. CATEGORY CODE** 452	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..................	-	-	-	377
BULK STORAGE IMPROVEMENTS........	SY	24,000		(249)
LOADING DOCK.....................	EA	1	$11,000.00	(11)
DRAINAGE.........................	LS		-	(22)
MARKETING AREA IMPROVEMENTS......	LS		-	(95)
SUPPORTING FACILITY..............	-	-	-	73
DEMOLITION.......................	LS	-	-	(9)
SITE PREPARATION.................	LS	-	-	(24)
PAVEMENT MARKING.................	LF	62,500	$ 0.33	(21)
GRADING..........................	SY	11,000	$ 1.09	(12)
ELECTRICAL (SECURITY LIGHTING)...	EA	5	$ 1,400.00	(7)
SUBTOTAL.........................	-	-	-	450
CONTINGENCY (5%).................	-	-	-	22
TOTAL CONTRACT COST..............	-	-	-	472
SUPERVISION INSPECTION & OVERHEAD (6%)........................	-	-	-	28
TOTAL REQUEST....................	-	-	-	500
TOTAL REQUEST (ROUNDED)...........	-	-	-	500

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Bulk Storage Area: Grade, fill, stabilize, and provide drainage of the unimproved storage area. Provide a permanent loading dock and additional security lighting.

Marketing Area: Resurface existing pavement to include priming and double seal coating 11,900 square yards, overlay 2,140 square yards and mark storage stripes throughout the entire area. Pave 4,800 SY of unimproved area.

11. REQUIREMENT: 24,000 SY ADEQUATE: -0- SY SUBSTANDARD: -0- SY

PROJECT: Provides adequate and safe, all weather., open storage for DRMO Jackson to perform their reutilization mission. (C)

REQUIREMENT: There is a need to provide stabilized open storage surfaces to allow year-round access by material handling equipment (MHE) to store equipment awaiting reutilization or sails. DRMO Jackson serves the various activities located on the Fort Jackson military reservation. This operation requires year-round access to all open storage areas.

CURRENT SITUATION: During periods of inclement weather the unpaved areas of the DRMO yard become soft and are eroded by running water. In dry weather, MHE operations created a dust and rut problem. Rain washes loose material onto paved areas or into the drainage outlets and impounds water.

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION AND MARKETING OFFICE FT. JACKSON, SC		
4. PROJECT TITLE OPEN STORAGE IMPROVEMENTS		**5. PROJECT NUMBER** N/A

Cleanup and maintenance are a continual problem. Screeners and buyers are reluctant to examine merchandise in these areas resulting in lost revenue to the government. Material Handling Equipment operations are severely impacted and, at times, only about half of the bulk storage area and other unimproved areas directly adjacent to paving are accessible to MHE.

IMPACT IF NOT PROVIDED: Deferral of this project will result in the continual use of inadequate and operationally poor open storage as well as potential lost revenue because screeners and buyers will continue to avoid DRMO services during bad weather resulting in continued degradation of material.

OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, Facility Planning and Design Manual.

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:
  (1) Status:
    (a) Date Design Started........................1/89
    (b) Percent Complete as of January 1990........35%
    (c) Date of 35 Percent Completed...............7/89
    (d) Date Design Complete.......................6/90

  (2) Basis:
    (a) Standard or Definitive Design..............YES__ NO X
    (b) Date Design Was Most Recently Used.........N/A

  (3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
    (a) Production of Plans and Specifications...... 5
    (b) All other Design Costs...................... 98
    (c) Total....................................... 103
    (d) Contract.................................... 0
    (e) In-house.................................... 103

  (4) Construction Start...............................1/91

b. Equipment associated with this project which will be provided from other appropriations. None.

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** JAN. 90

3. INSTALLATION AND LOCATION DEFENSE DEPOT MEMPHIS MEMPHIS, TN	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR COST INDEX** 0.94

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			
	OFF	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**TOTAL**
a. AS OF 30SEP89	11	5	2264	0	0	0	5	8	576	2,869
b. END FY 1995	12	5	2250	0	0	0	5	8	576	2,800

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 642
b. INVENTORY TOTAL AS OF 30 SEP 89..........................39,251
c. AUTHORIZATION NOT YET IN INVENTORY 11,360
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 14,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. **GRAND TOTAL** 65,511

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441	General Purpose Warehouse	208,000 SF	11,900	8/88	11/89
441	Flammable Storage Facility	60,200 SF	1,500	11/87	12/89
441	Bulk Receiving Facility	60,000 SF	1,500	2/87	12/89

9. FUTURE PROJECTS:

a. Included in following program (FY 92):
None

b. Planned next three years:
None.

10. MISSION OR MAJOR FUNCTIONS: Defense Depot Memphis is one of six principal distribution depots within the DLA integrated wholesale distribution system. Its mission is the receipt, storage, maintenance, inventory and issue of clothing, textile, fuel, general supplies, subsistence, and medical commodities. Its major function is the distribution of these commodities to all military activities in the South Central Region consisting of the states of Texas, Oklahoma, Arkansas, Louisiana and Tennessee, plus the overseas support for all military activities in the Caribbean area including South America.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE DEPOT MEMPHIS, MEMPHIS TN	**4. PROJECT TITLE** BULK RECEIVING FACILITY

5. PROGRAM ELEMENT 71111S	**6. CATEGORY CODE** 441	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................	LS	-	-	910
BULK RECEIVING FACILITY........	SF	60,000	13.00	(780)
ADMINISTRATION SPACE............	SF	1,050	100.00	(105)
DISPATCHER'S BLDG.............	SF	250	100.00	(25)
SUPPORTING FACILITIES	SY	-	-	437
PAVED AREAS....................	SY	5,402	26.10	(141)
UTILITIES......................	LS	-	-	(167)
RETAINING WALL.................	LS	-	-	(81)
SITE WORK......................	LS	-	-	(48)
SUBTOTAL........................	-	-	-	1,347
CONTINGENCY (5%)................	-	-	-	67
ESTIMATED CONTRACT COST..........	-	-	-	1,414
SUPERVISION INSPECTION & OVERHEAD (6%)..........................	-	-	-	85
TOTAL ESTIMATE..................	-	-	-	1,499
TOTAL ESTIMATE ROUNDED..........	-	-	-	1,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)....	-	-	-	(1,405)

10. DESCRIPTION OF PROPOSED CONSTRUCTION
Alter existing general purpose warehouse to provide a bulk receiving facility. Construct a 250 SF dispatcher office bldg. including utilities, truck parking and maneuvering pad, truck staging pad, and widen 300 feet of existing street. Construct forklift ramp and new overhead door at recessed dock. Construct controlled temperature room and break room. Construct new restroom facilities, heat Bays 4 & 5, ventilate Bays 3, 4 & 5. Relocate and elevate three inspection offices and relocate LogMar Office. Replace existing lighting with high pressure sodium lighting, in Bays 3, 4 & 5. Provide electrical power for soring equipment and to relocate 7 forklift charging stations. Project includes underground storm drainage for all new paved areas, site lighting, heating, air-conditioning, and ventilation. Estimated total air-conditioning requirement: 6 tons.

11. REQUIREMENT: 60,000 SF Adequate: 3,641,444 SF Substandard: 629,104 SF
PROJECT: Provides a mechanized receiving facility for bulk shipments and truck stacking for all incoming truck traffic. (C).
REQUIREMENT: There is a need to provide a receiving facility to handle incoming mixed bulk loads in order to perform the receiving mission. The facility requires sufficient truck docks to handle the projected average daily truck traffic of 150 trucks (incoming and outgoing) per

1. COMPONENT
DEFENSE (DLA)

FY 1991 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
JAN 90

3. INSTALLATION AND LOCATION
DEFNSE DEPOT MEMPHIS, MEMPHIS, TN

4. PROJECT TITLE
BULK RECEIVING FACILITY

5. PROJECT NUMBER
N/A

day and should be mechanized to efficiently inspect, sort, and distribute the bulk loads. Sufficient maneuvering, parking, and staging paved are a for handling the truck traffic are required.

CURRENT SITUATION : The bulk receiving function is presently located in a World War II constructed wooden building. Currently, the operations are very labor intensive resulting in inefficiency. Lack of adequate facility makes it impossible to provide mechanization. Furthermore, the current location of bulk receiving mission is inappropriate for a number of reasons. First, the facility is located in a congested area of the Depot. Second, in order to provide space for a large maneuvering pad, trucks are received in the railroad line that serves a number of warehouses. Third, all the incoming and outgoing trucks use the truck gate 8 adjacent to the shipping terminal resulting in severe traffic congestion. Relocating the bulk receiving mission in the proposed new location will enable all the incoming trucks to use the truck gate 15 resulting in smooth traffic flow at the Depot. The Depot has a project authorized and appropriated in the FY 88 Military Construction program to construct a new general purpose warehouse. Construction of the new warehouse will force the bulk receiving operations in the existing facility to terminate due to encroach. The clearance between the existing building and the construction zone is too small to receive tractor-trailer shipments.

IMPACT IF NOT PROVIDED : Continued impairment of the Depot receiving mission due to poor location and inability to mechanize. When the new general purpose warehouse is built, the Depot will be left without a functional bulk receiving facility.

OTHER : Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Manual."

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.......................... 2/87
(b) Percent Complete as of January 1990.......... 95
(c) Date of 35 Percent Completed.................. 9/87
(d) Date Design Complete.......................... 6/90

(2) Basis:
(a) Standard or Definitive Design....Yes_____ No X
(b) Date Design Was Most Recently Used........N\A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($135)
(a) Production of Plans and Specifications....... 75
(b) All Other Design............................ 60

1. COMPONENT DEFENSE (DLA)	**Y 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE DEPOT MEMPHIS, MEMPHIS, TN		
4. PROJECT TITLE BULK RECEIVING FACILITY		**5. PROJECT NUMBER** N/A

(c) Total	135
(d) Contract	N/A
(e) In-house	N/A
(4) Construction Start	10/90

b. Equipment associated with this project which will be provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED AS REQUESTED	COST ($000)
MECHANIZED MATERIAL HANDLING EQUIPMENT	PDA	FY 91	1,405

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE DEPOT MEMPHIS, MEMPHIS, TN	**4. PROJECT TITLE** FLAMMABLE STORAGE FACILITY

5. PROGRAM ELEMENT 71111S	**6. CATEGORY CODE** 441	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..................	-	-	-	1,204
FLAMMABLE STORAGE................	SF	60,200	20.00	(1,204)
SUPPORTING FACILITIES............	-	-	-	142
MODIFY RAIL SPUR...............	LS	-	-	(20)
UTILITIES......................	LS	-	-	(30)
SITE IMPROVEMENTS..............	LS	-	-	(92)
SUBTOTAL.........................	-	-	-	1,346
CONTINGENCY (5%).................	-	-	-	67
ESTIMATED CONTRACT COST..........	-	-	-	1,413
SUPERVISION, INSPECTION, OVERHEAD (6%)................	-	-	-	85
TOTAL REQUEST....................	-	-	-	1,498
TOTAL REQUEST (ROUNDED)..........	-	-	-	1,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION
The Flammable Storage Facility shall be a pre-engineered metal structure built over an existing concrete bermed area currently in use as storage for flammable liquids in drums. The exterior walls and roof shall be of metal panel construction. Two non-combustible fire walls, a sprinkler system, and minimal interior lighting shall be provided. The existing concrete slab floor and berms shall be retained and modified to accommodate new structure.

11. REQUIREMENT: 60,200 SF; Adequate 0 SF Substandard 0 SF
PROJECT : Provides permanent cover for flammable material storage facilities in compliance with Occupational Safety and Health (OSH), Environmental Protection Agency (EPA), and National Fire Protection Association (NFPA) standards and regulations. (C)
REQUIREMENT : DDMT is responsible for the storage of flammable material and package petroleum storage and distribution mission for the South Central United States.

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1. COMPONENT DEFENSE (DLA)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION
DEFENSE DEPOT MEMPHIS, MEMPHIS, TN

4. PROJECT TITLE FLAMMABLE STORAGE FACILITY	5. PROJECT NUMBER N/A

CURRENT SITUATION : Highly flammable liquids (e.g. acetone, methyl ethyl ketone, methyl, ethyl, and isopropyl acholol, ISO-octane, and toluene) are presently stored in various sized containers in a large bermed area. In the summer months, these chemicals are heated by the sun to temperatures far above their flashpoints. The resulting expansion and vaporization of the chemicals causes tremendous pressure to build within the steel containers to the point that the ends are distended into convex shape. When the barrels are in such a condition, it is extremely dangerous to handle them, and shipping operations must be suspended. Additionally, hundreds of barrels are damaged to the point of unserviceability each year, resulting in tens of thousands of dollars of recontainerization expenditures. During recoupment operation, it has been discovered that the crimped metal lips of drums have been so severely stressed that many have unrolled almost to the point of release. Clearly, if a drum lid were to actually come free under these conditions, the resulting flying metal and explosive release of the contents would be very hazardous. On hot days, dozens of drums have been known to spring leaks almost simultaneously, and the various flammable chemicals have flowed out and mixed on the heated pavement, creating a very volatile situation.

IMPACT IF NOT PROVIDED : Mission performance will remain seriously impaired. Use of existing substandard open storage will continue to expose personnel and property to unacceptable safety hazards. Highly pressurized and leaking drums will continue to pose serious hazards to personnel and the nearby community, whose homes are less than 500 feet from this potentially explosive situation.

OTHERS : Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Manual."

12. SUPPLEMENTAL DATA:

a. Estimated Design Data
  (1) Status:
    (a) Date Design Started....................... 11/87
    (b) Percent Complete as of January 1990....... 95
    (c) Date of 35 Percent Completed.............. 6/88
    (d) Date Design Complete...................... 4/90

  (2) Basis:
    (a) Standard or Definite Design....YES ____ No X
    (b) Date Design Was Most Recently Used...... N/A

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE DEPOT MEMPHIS, MEMPHIS, TN		
4. PROJECT TITLE FLAMMABLE STORAGE FACILITY		**5. PROJECT NUMBER** N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e):	($135)
(a) Production of Plans and Specifications.......	75
(b) All Other Design Costs......................	60
(c) Total.......................................	135
(d) Contract....................................	N/A
(e) In-house....................................	N/A
(4) Construction Start..........................	10/90

b. Equipment associated with this project which will be provided from other appropriations: None

DD 1391c

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE DEPOT MEMPHIS (DDMT), MEMPHIS, TN	**4. PROJECT TITLE** GENERAL PURPOSE WAREHOUSE

5. PROGRAM ELEMENT 71111S	**6. CATEGORY CODE** 441	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 11,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..................	SF	208,000	-	8,828
WAREHOUSE BUILDING..............	SF	203,400	42.00	(8,543)
ADMIN AREA.......................	SF	4,600	61.95	(285)
SUPPORTING FACILITIES.............	-	-	-	1,862
MODIFY RAIL SPUR................	LS	-	-	(115)
PAVED AREA......................	LS	-	-	(196)
UTILITIES.......................	LS	-	-	(271)
SITE IMPROVEMENT................	LS	-	-	(100)
DEMOLITION......................	LS	-	-	(1,080)
RETAINING WALL..................	LS	-	-	(100)
SUBTOTAL..........................	-	-	-	10,690
CONTINGENCY (5%)..................	-	-	-	535
ESTIMATED CONTRACT COST...........	-	-	-	11,225
SUPERVISION, INSPECTION & OVERHEAD (6%).........................	-	-	-	674
TOTAL ESTIMATE....................	-	-	-	11,899
TOTAL ESTIMATE (ROUNDED)..........	-	-	-	11,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)........				(2,500)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a 203,400 SF high bay steel structure general purpose warehouse. Provide truck and railroad access, lighting, heating, ventilation and fire protection, retaining wall and site improvements. Construct 4,600 SF of attached administrative, toilet and service areas with heating, lighting, ventilation and air conditioning. Air conditioning requirement, 20 tons. Demolish existing warehouse.

11. REQUIREMENT: 5,326,885 SF ADEQUATE: 3,663,436 SF
SUBSTANDARD: 628,104 SF

PROJECT: Provides a permanent facility to alleviate a portion of the critical shortage of adequate storage space at DDMT. Also provides proper protection for materials now subjected to rust, corrosion, and deterioration due to inadequate outside storage which would help meet the additional needs of mobilization. (C)

REQUIREMENT: There is a need to relieve a critical shortage of general purpose warehouse space. Relief of this shortage would allow more efficient operational flexibility and more timely supply of material to DoD customers. All existing facilities at Memphis have been considered for potential use and there is no suitable space that could fulfill this requirement.

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION
DEFENSE DEPOT MEMPHIS (DDMT), MEMPHIS, TN

4. PROJECT TITLE GENERAL PURPOSE WAREHOUSE	**5. PROJECT NUMBER** N/A

CURRENT SITUATION: DDMT has a severe shortage of warehousing space which impedes mission performance. Approximately 93 percent of available usable general purpose storage space is occupied resulting in a critical lack of storage flexibility. The current shortage has forced DDMT to store a large quantity of material in open sheds thus subjecting mission stocks to potential weather damage. The existing wooden warehouse is 45 years old. It is outmoded, inefficient, labor-intensive and cannot support modernization initiatives. The facility will be demolished.

IMPACT IF NOT PROVIDED: DDMT will continue to be without modern standards in mechanization that would provide more efficient and cost effective means of servicing the Military Departments. Due to the overcrowded conditions, material will continue to be stored in unsafe and adverse conditions resulting in loss of stock.

OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Manual."

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:
(1) Status:
(a) Date Design Started............................ 8/88
(b) Percent Complete as of January 1990............ 90
(c) Date of 35 Percent Completed................... 11/88
(d) Date Design Complete........................... 6/90

(2) Basis:
(a) Standard or Definitive Design....Yes X No ____
(b) Date Design Was Most Recently Used....... 8/88

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($1,000)
(a) Production of Plans and Specifications....... 655
(b) All Other Design Costs....................... 345
(c) Total.. 1,000
(d) Contract..................................... N/A
(e) In-house..................................... N/A

(4) Construction Start.............................. 10/90

b. Equipment associated with this project which will be provided from other appropriations.

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED AS REQUESTED	COST ($000)
MATERIAL HANDLING EQUIPMENT	PDA	FY92	2,500

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION DEFENSE DEPOT RICHMOND, VIRGINIA	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR COST INDEX** 0.93

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFF	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	
a. AS OF30SEP89	32	0	3900	0	0	0	17	12	294	4255
b. END FY 1995	32	0	4000	0	0	0	17	12	320	4381

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 637	
b. INVENTORY TOTAL AS OF 30 SEP 89	43,469
c. AUTHORIZATION NOT YET IN INVENTORY	5,829
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	17,040
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	73,338

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
216	Consolidated Maintenance Facility	82,000 SF	7,000	6/88	7/90

9. FUTURE PROJECTS:

a.	Included in following program (FY 92):				
441	Hazardous Material Processing Facility	50,000 SF	3,000	11/89	12/90
442	Sheds for Oil Storage	438,000 SF	13,200	11/89	12/90
442	Warehouse (Fabric)	48,000 SF	840	11/89	12/90
b.	Planned next three years: None.				

10. MISSION OR MAJOR FUNCTIONS: The Defense General Supply Center organizes, directs, and accomplishes the management of supplies in assigned federal groups, operates a DLA storage facility, accomplishes supply support of United States and European area for decentralized and non-cataloged items identifiable to material assignments of DGSC, provides supply support to civil agencies on a basis that will not adversely affect the performance of the primary mission, and directs and accomplishes other supply and miscellaneous missions as assigned.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE DEPOT, RICHMOND, VA	**4. PROJECT TITLE** CONSOLIDATED MAINTENANCE FACILITY

5. PROGRAM ELEMENT 71111S	**6. CATEGORY CODE** 218	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 7,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSOLIDATED MAINTENANCE FACILITY..	SF	82,000	67.82	5,561
MAINTENANCE BUILDING.............	SF	70,000	74.53	(5,217)
ADMINISTRATIVE AREA..............	SF	12,000	28.67	(344)
SUPPORTING FACILITIES	-	-	-	695
DEMOLITION.......................	LS	-	-	(80)
SITE WORK........................	LS	-	-	(550)
ELECTRICAL.......................	LS			(65)
TOTAL COST.......................				6,256
CONTINGENCY (5%).................				313
ESTIMATED CONTRACT COST............				6,569
SUPERVISION, INSPECTION & OVERHEAD (6%)........................				394
TOTAL ESTIMATE.....................				6,963
TOTAL ESTIMATE (ROUNDED)...........				7,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct an 82,000 SF consolidated maintenance facility to include a 12,000 SF mezzanine for division offices and 70,000 SF of maintenance shop space. Other work includes light, heat, mezzanine office, break area, restrooms, mechanical room, utility service, vehicle parking, connecting vehicle aprons and road, and minor landscaping. The maintenance area will include ventilation, hoists, pits lifts, and automated oil and grease dispensing systems for servicing industrial carts and Automated Materials Handling Equipment (AMHE)

11. REQUIREMENT: 82,000 SF ADEQUATE -0- SF SUBSTANDARD -0- SF

PROJECT: Provides a consolidated maintenance facility for mechanical/industrial equipment, automated systems equipment, and material handling equipment.

REQUIREMENT: Project is required to relocate the remotely separated functions of the Operating Equipment Division to a consolidated maintenance facility in close proximity to the bulk of equipment serviced to increase productivity and efficiency and eliminate long distance hauling of equipment from remote and separate locations outside the complex of mechanized warehouses.

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION
DEFENSE DEPOT, RICHMOND, VA

4. PROJECT TITLE CONSOLIDATED MAINTENANCE FACILITY	**5. PROJECT NUMBER** N/A

CURRENT SITUATION: Current maintenance facilities are located in two remotely separate areas, one at the south end of the Installation approximately 1.2 miles from the mechanized complex, and other at the north end of the Installation, approximately 0.5 miles from the mechanized complex. This situation causes long distance hauling of mechanical/industrial equipment to and from the current remotely located maintenance facilities to the Depot complex with resulting loss in maintenance personnel time in pick-up and delivery, increases repair time for preventive maintenance and causes lost productivity in Depot operations due to equipment failure. The consolidation of maintenance missions would release 35,010 SF of prime warehouse space for utilization by storage activities.

IMPACT IF NOT PROVIDED: Maintenance for mechanical/industrial equipment, automated equipment and automated material handling equipment will continue to operate inefficiently in remotely located separate facilities.

OTHER: Project is within the criteria prescribed in part II of Military Handbook 1190, "Facility Planning and Design Manual."

12. SUPPLEMENTAL DATA:

a. Design Status:
(1) Status:
(a) Date Design Started.................... 6/88
(b) Percent Complete as of January 1990..... 70
(c) Date of 35 Percent Completed........... 9/89
(d) Date Design Complete.................... 7/90

(2) Basis:
(a) Standard or Definitive Design....Yes ___ No x
(b) Date Design Was Most Recently Used....... N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications...... 400
(b) All Other Design Costs...................... 210
(c) Total....................................... 610
(d) Contract.................................... -
(e) In-house.................................... -

(4) Construction Start............................ 11/90

b. Equipment associated with this project which will be provided from other appropriations. None.

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION & MARKETING OFC, F.E. WARREN AFB, CHEYENNE, WY	**4. COMMAND** DEFENSE LOGISTICS AGENCY	**5. AREA CONSTR** **COST INDEX** 1.04

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFF	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	**OFF**	**ENL**	**CIV**	
a. AS OF30SEP89										
b. END FY 1995										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENANY OF THE AIR FORCE
b. INVENTORY TOTAL AS OF 30 SEP 89........................0
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 1,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. GRAND TOTAL 1,700

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442	Covered Storage	25,450 SF	1,700	9/84	7/88

9. FUTURE PROJECTS:

a. Included in following program (FY 92):
None.

b. Planned next three years:
None.

10. MISSION OR MAJOR FUNCTIONS: Performs Property Disposal Service Operations in cluding the receipt, control, warehousing and preparation of excess and surplus personal property for reutilization, donation, sale or other disposition.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

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1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION & MARKETING OFFICE F.E. WARREN AFB, CHEYENNE, WYOMING	**4. PROJECT TITLE** COVERED STORAGE

5. PROGRAM ELEMENT 78012S	**6. CATEGORY CODE** 442	**7. PROJECT NUMBER** N/A	**8. PROJ COST ($000)** 1700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..................	-	-	-	919
COVERED STORAGE.................	SF	24,080	32.64	(869)
ADMINISTRATIVE AREA.............	SF	1,370	32.64	(50)
SUPPORTING FACILITIES.............	-	-	-	612
SITE IMPROVEMENTS (INCLUDING DEMOLITION)..................	LS	-	-	93
UTILITIES.......................	LS	-	-	(198)
FENCING.........................	LS	-	-	(31)
PAVING..........................	LS	-	-	(290)
SUBTOTAL..........................	-	-	-	1531
CONTINGENCY (5%)..................	-	-	-	77
TOTAL CONTRACT COST...............	-	-	-	1608
SUPERVISION, INSPECTION & OVERHEAD (5.5%)..........................	-	-	-	88
TOTAL REQUEST.....................	-	-	-	1696
TOTAL REQUEST ROUNDED.............	-	-	-	1700

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a covered storage building with administrative area to include lighting, fire protection system, heating and insulation. This project also provides site improvements, utitlity extensions, paving and fencing. Other features include restrooms, office area, security storage, load/unload area and exterior security lighting.

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11. REQUIREMENT: 25,450 SF ADEQUATE: -0- SUBSTANDARD: -0-SF

PROJECT: Provides for a new storage facility, administrative area, paving due to relocation of the property disposal facility. (C)

REQUIREMENT: There is a need for new storage and administrative space to replace the present inadequate facility. The host has condemned the existing building which will be demolished.

CURRENT SITUATION: The existing World War II temporary constructed building has deteriorated beyond economical repair. A severe wind storm uplifted the roof of the building. It has a temporary fix, but is subject to further damage. The windows and roofs leak resulting in damage to property. The ceiling insulation has fallen in part of the building, and one wall is temporarily braced to prevent its collapse. The electrical wiring insulation has deteriorated. Major repairs exceed 50 percent of

1. COMPONENT DEFENSE (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90

3. INSTALLATION AND LOCATION
DEFENSE REUTILIZATION & MARKETING OFFICE F.E. WARREN AFB, CHEYENNE, WYOMING

4. PROJECT TITLE COVERED STORAGE	**5. PROJECT NUMBER** N/A

the replacement cost of the building.
IMPACT IF NOT PROVIDED: The use of the present building will result in continuing safety hazards, inefficiencies, and continued damage to property which reduces utilization and proceeds from sales.
OTHER: Project is within the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Manual."

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:
  (1) Status:
    (a) Date Design Started........................9/84
    (b) Percent Complete as of January 1990........100%
    (c) Date of 35 Percent Completed...............5/87
    (d) Date Design Complete.......................7/88

  (2) Basis:
    (a) Standard of Definitive Design.............YES__ NO X
    (b) Date Design Was Most Recently Used........N/A

  (3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
    (a) Production of Plans and Specifications:..... 15
    (b) All other Design Costs..................... 278
    (c) Total...................................... 293
    (d) Contract..................................... 0
    (e) In-house................................... 293

  (4) Construction Start..........................1/91

b. Equipment associated with this project which will be provided from other appropriations. None.

1. COMPONENT DEFENSE (DLA)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE JAN 90

3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX VARIES

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF N/A										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE N/A
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL ....

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442	Pollution Abatement Facilities	Varies	13,580		35*
	Conforming Storage Facilities				

* A standard design has been developed which will be site adapted and which constitutes more than 35% design complete.

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1. COMPONENT DEFENSE (DLA)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE & OUTSIDE THE UNITED STATES	4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES

5. PROGRAM ELEMENT 78012S	6. CATEGORY CODE 442	7. PROJECT NUMBER VARIOUS	8. PROJ COST ($000) 13,580

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POLLUTION ABATEMENT FACILITIES....	LS	-	-	13,580
CONFORMING STORAGE FACILITIES.....	LS	-	-	(13,580)
TOTAL ESTIMATE....................	LS	-	-	13,580

10. DESCRIPTION OF PROPOSED CONSTRUCTION

11. REQUIREMENT: VARIOUS

PROJECT: Provides interim conforming storage of hazardous materials and hazardous waste in compliance with environmental standards under Subtitle C of the Resource Conservation and Recovery Act (RCRA).

REQUIREMENT: The Defense Logistics Agency is the responsible agency within the Department of Defense (DoD) for worldwide disposal of specified DoD generated hazardous waste. It is essential that related construction requirements needed to fulfill this mission be provided and that the operation complies with existing statutes. The attached list includes all planned conforming storage projects except for those which were previously identified as possibly being ready for award in FY 90. Funds requested will be provided to those projects that are the first to receive permits

IMPACT IF NOT PROVIDED: Mission accomplishment would be seriously impaired. Potential would exist for violation of RCRA which requires hazardous wastes be segregated and repackaged in accordance with certain specification prior to disposal and/or resale by the Defense Reutilization and

1. COMPONENT DEFENSE(DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** JAN 90
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES	**5. PROJECT NUMBER**	

Marketing Offices. Installations could be declared in non-compliance with environmental laws and be subjected to civil and/or criminal legal actions. RCRA operating permits could be withheld or withdrawn.
OTHER: These projects are witin the criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
DEFENSE MEDICAL SUPPORT ACTIVITY		
CAMP PENDLETON MARINE CORPS BASE		
HOSPITAL FIRE PROTECTION	1,750	
CAMP PENDLETON MARINE CORPS BASE		1,750
DISTRICT OF COLUMBIA		
DEFENSE MEDICAL SUPPORT ACTIVITY		
WALTER REED ARMY MEDICAL CENTER		
MAGNETIC RESONANCE IMAGING FACILITY	4,000	
WALTER REED ARMY MEDICAL CENTER		4,000
FLORIDA		
DEFENSE MEDICAL SUPPORT ACTIVITY		
MACDILL AIR FORCE BASE		
HOSPITAL LIFE SAFETY UPGRADE	2,900	
MACDILL AIR FORCE BASE		2,900
GEORGIA		
DEFENSE MEDICAL SUPPORT ACTIVITY		
FORT BENNING		
TROOP MEDICAL CLINIC REPLACEMENT	2,000	
FORT BENNING		2,000
KANSAS		
DEFENSE MEDICAL SUPPORT ACTIVITY		
FORT RILEY		
TROOP MEDICAL CLINIC REPLACEMENT	1,050	
FORT RILEY		1,050
NEVADA		
DEFENSE MEDICAL SUPPORT ACTIVITY		
NELLIS AIR FORCE BASE		
CONSOLIDATED MEDICAL FACILITY REPLACEMENT	56,000	
NELLIS AIR FORCE BASE		56,000
NORTH CAROLINA		
DEFENSE MEDICAL SUPPORT ACTIVITY		
CAMP LEJEUNE MARINE CORPS BASE		
COURTHOUSE BAY MEDICAL/DENTAL CLINIC	3,200	
CAMP LEJEUNE MARINE CORPS BASE		3,[illegible]

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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 10 JAN 1990
            INSIDE THE UNITED STATES
                 ($ THOUSANDS)
STATE/COMP./INSTALLATION                          PROJ COST        TOTAL
-------------------PROJECT NAME---------------    ----------   ----------
OKLAHOMA
  DEFENSE MEDICAL SUPPORT ACTIVITY
    ALTUS AIR FORCE BASE
      MEDICAL LOGISTICS FACILITY                        500
        ALTUS AIR FORCE BASE                                          500

    FORT SILL
      HOSPITAL RPMT PHASE III                        10,400
        FORT SILL                                                  10,400
                                                               ----------
  **DEFENSE MEDICAL SUPPORT ACTIVITY                               10,900


PENNSYLVANIA
  DEFENSE MEDICAL SUPPORT ACTIVITY
    PHILADELPHIA NAVAL SHIPYARD
      MEDICAL/DENTAL/OCCUPATIONAL HEALTH CLINIC      11,600
        PHILADELPHIA NAVAL SHIPYARD                                11,600


TEXAS
  DEFENSE MEDICAL SUPPORT ACTIVITY
    LACKLAND AIR FORCE BASE
      MAGNETIC RESONANCE IMAGING FACILITY             2,250
        LACKLAND AIR FORCE BASE                                     2,250

    FORT SAM HOUSTON
      HOSPITAL REPLACEMENT PHASE IV                  77,000
        FORT SAM HOUSTON                                           77,000
                                                               ----------
  **DEFENSE MEDICAL SUPPORT ACTIVITY                               79,250


VIRGINIA
  DEFENSE MEDICAL SUPPORT ACTIVITY
    CHEATHAM ANNEX
      FLEET HOSPITAL FACILITY NO. 8                   6,500
        CHEATHAM ANNEX                                              6,500

    DAM NECK NAVAL FLIGHT CENTER
      MEDICAL/DENTAL CLINIC REPLACEMENT               4,050
        DAM NECK NAVAL FLIGHT CENTER                                4,050
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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 10 JAN 1990
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
VIRGINIA		
DEFENSE MEDICAL SUPPORT ACTIVITY		
FORT LEE		
HOSPITAL LIFE SAFETY UPGRADE	2,650	
FORT LEE		2,650
PORTSMOUTH NAVAL HOSPITAL		
HOSPITAL REPLACEMENT PHASE II	40,000	
PORTSMOUTH NAVAL HOSPITAL		40,000
QUANTICO MARINE CORPS BASE		
OCS TROOP MEDICAL CLINIC REPLACEMENT	2,450	
QUANTICO MARINE CORPS BASE		2,450
**DEFENSE MEDICAL SUPPORT ACTIVITY		55,650

TOTALS	
ARMY	
NAVY	
AIR FORCE	
DEFENSE AGENCIES	228,300
INSIDE THE UNITED STATES	228,300

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
DEFENSE MEDICAL SUPPORT ACTIVITY		
GIESSEN		
DISPENSARY/DENTAL CLINIC REPLACEMENT	5,000	
GIESSEN		5,000
NUERNBERG		
DISPENSARY/DENTAL CLINIC REPLACEMENT	5,800	
NUERNBERG		5,800
RHEIN-MAIN AIR BASE		
AEROMEDICAL EVACUATION LOGISTICS FACILITY	870	
RHEIN-MAIN AIR BASE		870
**DEFENSE MEDICAL SUPPORT ACTIVITY		11,670
ITALY		
DEFENSE MEDICAL SUPPORT ACTIVITY		
AVIANO AIR BASE		
SECOND ECHELON MEDICAL LOGISTICS STORAGE	1,100	
AVIANO AIR BASE		1,100
VICENZA		
HOSPITAL REPLACEMENT	28,000	
VICENZA		28,000
**DEFENSE MEDICAL SUPPORT ACTIVITY		29,100
KOREA		
DEFENSE MEDICAL SUPPORT ACTIVITY		
CAMP CASEY		
TROOP MEDICAL CLINIC REPLACEMENT	1,000	
CAMP CASEY		1,000
KUNSAN AIR BASE		
HOSPITAL/DENTAL CLINIC REPLACEMENT	14,400	
KUNSAN AIR BASE		14,400
**DEFENSE MEDICAL SUPPORT ACTIVITY		15,400

```
FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

      ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 10 JAN 1990
     SPECIFIED OUTSIDE THE UNITED STATES
               ($ THOUSANDS)
STATE/COMP./INSTALLATION                           PROJ COST        TOTAL
--------------------PROJECT NAME---------------  ----------  ----------
TURKEY
  DEFENSE MEDICAL SUPPORT ACTIVITY
    SINOP
     MEDICAL/DENTAL CLINIC REPLACEMENT                  1,750
      SINOP                                                          1,750


UNITED KINGDOM
  DEFENSE MEDICAL SUPPORT ACTIVITY
    RAF EDZELL
     MEDICAL DENTAL CLINIC RPMT                         5,400
      RAF EDZELL                                                     5,400

    ROYAL AIR FORCE LANARK
     FLEET HOSPITAL FACILITY 14                         3,900
      ROYAL AIR FORCE LANARK                                         3,900
                                                                ----------
  **DEFENSE MEDICAL SUPPORT ACTIVITY                                 9,300


TOTALS
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  ARMY

  NAVY

  AIR FORCE

  DEFENSE AGENCIES                                                  67,220
                                                                -----------
  SPECIFIED OUTSIDE THE UNITED STATES                               67,220
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1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION CAMP PENDLETON MARINE CORPS BASE California	4. COMMAND Naval Medical Command Southwest Region	5. AREA CONSTRUCTION COST INDEX 1.21

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	374	561	405	0	0	0	6946	27782	57256	93,224
B. END FY 95	261	515	374	0	0	0	6253	25012	50907	83,322

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89.................................... 0
C. AUTHORIZATION NOT YET IN INVENTORY.................................... 0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM.................................... 1,750
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.................................... 0
F. PLANNED IN NEXT THREE YEARS.................................... 0
G. REMAINING DEFICIENCY.................................... 0
H. GRAND TOTAL.................................... 1,750

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	25961	Hospital Fire Protection	1,750	02/89	10/90
		SUBTOTAL PROJECTS OVER $1M	1,750		
		TOTAL	1,750		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide training facilities, logistical support, and certain administrative support for Fleet Marine Force Units and other units assigned. Conduct specialized schools and other training as directed; receive and process trainees; and conduct individual combat training as directed. Supported activities include: Marine Corps Base Camp Pendleton (and subordiante Battalions), 1st Marine Division, 1st and 7th Marine (Infantry) Regiments, 1st Tank Battalion, 3rd Assault Amphibious Battalion, 11th Marine Artillery Regiment, 1st Combat Engineer Battalion, 1st Reconnaissance Battalion, Headquarters Battalion, 1st Force Service Support Group and other tenants.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

1. COMPONENT DEF (DMPO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90

INSTALLATION AND LOCATION: CAMP PENDLETON MARINE CORPS BASE California

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT DEF (DMFO)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Camp Pendleton MCB, California	4. PROJECT TITLE Hospital Fire Protection

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 510	7. PROJECT NUMBER 25961	8. PROJECT COST ($000) Auth 1,750 Approp 1,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,550
Fire Protection System	LS	-	-	(1,550)
Subtotal				1,550
Contingency (5.00%)				78
Total Contract Cost				1,628
Supervision, Inspection & Overhead (6.00%)				98
Category 'E' Equipment				0
Total Request				1,726
Total Request (Rounded)				1,750
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction The project is an existing eight-story medical facility built in 1972. The proposed project will install smoke activated and fire activated dampers in all mechanical duct work penetrating smoke proof partitions and ceilings; also install fire activated dampers in two-hour fire rated partitions and ceiling throughout the hospital. This project is in compliance with criteria prescribed by Construction Manual 4270.1-M. Accessibility for the handicapped will be in compliance with the provisions of Uniform Federal Accessibility Standards.

11. REQUIREMENT: None ADEQUATE: None SUBSTANDARD: None

PROJECT: The purpose of this project is to correct an existing hazard to life safety. Smoke and other projects of combustion from a fire in any given location in the hospital could travel through the mechanical ducts to other locations. The hospital has been cited by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) and by Western Division Naval Facilities Engineering Command (WESTNAVFACENGCOM) for non-compliance with the National Fire Protection Association (NFPA) codes in regards to fire and smoke protection within the mechanical ventilation system.

REQUIREMENT: To provide a hospital fire protection system.

CURRENT SITUATION: The existing hospital was built in 1971-72 without smoke

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Camp Pendleton MCB, California		
4. PROJECT TITLE Hospital Fire Protection		5. PROJECT NUMBER 25961

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
barriers and without fire dampers at penetration through two-hour rated partititions. The only fire dampers installed are at the ducts penetrating two-hour rated mechanical shafts. The revisions of applicable national codes governing hospital construction now require that existing hospital buildings be upgraded to meet the NFPA codes.
IMPACT IF NOT PROVIDED: The existing hazard to life safety will remain and the facility will not meet current codes or comply with the standards of the JCAHO.
ADDITIONAL: An economic analysis has not been prepared as there is no alternative to satisfy the deficiency.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Design Start Date .... FEB 89
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 100
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(d) Design Complete Date .... OCT 90

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 85
(b) All Other Design Costs 65
(c) Total Cost 150
(d) Contract 110
(e) In-house 40

(4) Construction Start .... JAN 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Walter Reed Army Medical Center District of Columbia	4. COMMAND US Army Health Services Command	5. AREA CONSTRUCTION COST INDEX 1.04

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	1199	1534	2786	164	32	0	691	708	1683	8,797
B. END FY 95	1199	1534	2786	164	32	0	691	708	1683	8,797

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	113 AC
B. INVENTORY TOTAL AS OF 30 SEP 89..	0
C. AUTHORIZATION NOT YET IN INVENTORY..	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..	4,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..	0
F. PLANNED IN NEXT THREE YEARS..	0
G. REMAINING DEFICIENCY..	0
H. GRAND TOTAL..	4,000

8. PROJECTS REQUESTED IN THIS PROGRAM.

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	11852	Magnetic Resonance Imaging Facility	4,000	04/88	11/89
		SUBTOTAL PROJECTS OVER $1M	4,000		
		TOTAL	4,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

Treatment of the sick and injured personnel of the Armed Services and their dependents, medical research and development, and support of all Walter Reed Army Medical Center activities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

DD 1 FORM DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Walter Reed AMC, District of Columbia	4.PROJECT TITLE Magnetic Resonance Imaging Facility	

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 510	7.PROJECT NUMBER 11852	8.PROJECT COST ($000) Auth 4,000 Approp 4,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,159
MRI Facility	SF	9,111	343.00	(3,125)
Renovation of Access Tunnel	LS	-	-	(34)
Supporting Facilities				434
Electric Service	LS	-	-	(245)
Water, Sewer & Gas	LS	-	-	(39)
Site Improvement (50) Demolition (100)	LS	-	-	(150)
Subtotal				3,593
Contingency (5.00%)				180
Total Contract Cost				3,773
Supervision, Inspection & Overhead (6.00%)				226
Category 'E' Equipment				0
Total Request				3,999
Total Request (Rounded)				4,000
Installed Equipment - Other Appropriations				(178)

10.Description of Proposed Construction Construct a permanent structure to house a Magnetic Resonance Imaging (MRI) system with necessary support facilities. Initially, the structure will house a unit currently located in a temporary trailer. A shell space with generic utility rough-ins, but without finishes, ceiling or shielding to accommodate any currently available 2 tesla MRI unit, will be provided. The facility will be located at the SW corner of Building 2 between the existing Buildings #1 and 2 and connected to the Department of Radiology. Work will include specialized construction for a MRI structure, provisions for liquid nitrogen and liquid helium for operation of the magnet with gas recovery systems and required venting and provisions for servicing, required shielding for this type facility, and wave guides and filters for any penetrations through the shielded assembly. Work will also include all required utility services, demolition of Building 1H excavation, site development, site restoration, landscaping, communications, fire protection, and installation of the MRI unit. Staff/patient access to the new MRI facility will be provided through an existing tunnel to be upgraded to meet Life Safety Code and access for the handicapped in accordance with Uniform Federal Accessibility Standards. Heating and cooling will be provided by an existing central plant. This project is designed within criteria prescribed

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Walter Reed AMC, District of Columbia		
4.PROJECT TITLE Magnetic Resonance Imaging Facility		5.PROJECT NUMBER 11852

in DoD Construction Manual 4270.1-M. Operating systems manuals will be provided.

11. REQUIREMENT: 9,111 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construction of a permanent facility for a Magnetic Resonance Imaging (MRI) System. (Current Mission).

REQUIREMENT: This project is required to provide permanent space for the installation of a MRI unit.

CURRENT SITUATION: There is currently no permanent site to house the specialized MRI System. The system was originally planned for a site(s) within Building 2; however, this site(s) has been determined to be unfeasible due to severe restriction in future expandability, the inability to place a larger magnet within the physical confines of the existing building, and equipment interference from activities at the nearby loading dock area. The MRI scanner is now operated from a remote mobile trailer which causes several logistics problems. The Department of Radiology provides a transport system in order to bring patients to and from the main Radiology Department. This patient transport system consists of radiographic technologists who are needed to perform radiographic examinations. In addition, physician/patient interaction during imaging and on-site consultation and interpretation of patient images is compromised due to the limited physical facilities. Finally, the magnet may be required to operate at less than maximum strength due to the remote site in relation to adjacent structures.

IMPACT IF NOT PROVIDED: In its current location the magnet will have to continue to be used at a less than maximum strength thus hampering the completion of case loads.

ADDITIONAL: This project is required to support the patient care and teaching requirements at Walter Reed; therefore, an economic analysis was not performed. This project has been coordinated with the District of Columbia (D.C.) National Capital Region Planning Commission.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Design Start Date .... APR 88
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 65
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(d) Design Complete Date .... JUN 90

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 184
(b) All Other Design Costs 224

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Walter Reed AMC, District of Columbia		
4.PROJECT TITLE Magnetic Resonance Imaging Facility	5.PROJECT NUMBER 11852	

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

		($000)
(3)	Total Cost: (Continued)	
	(c) Total Cost	408
	(d) Contract	340
	(e) In-house	68
(4)	Construction Start	DEC 90 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
MEDICAL EQUIPMENT	OPA	91	178
		TOTAL	178

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1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION MacDill Air Force Base Florida	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTRUCTION COST INDEX .96

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	861	4501	913	40	42	2	484	650	45	7,538
B. END FY 95	813	4401	885	40	42	2	484	650	45	7,362

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 0 AC	
B. INVENTORY TOTAL AS OF 30 SEP 89......................................	0
C. AUTHORIZATION NOT YET IN INVENTORY......................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM......................................	2,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM......................................	0
F. PLANNED IN NEXT THREE YEARS......................................	0
G. REMAINING DEFICIENCY......................................	0
H. GRAND TOTAL......................................	2,900

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	25685	Hospital Life Safety Upgrade	2,900	04/89	11/90
		SUBTOTAL PROJECTS OVER $1M	2,900		
		TOTAL	2,900		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

This base hosts the US Central Command Headquarters and a tactical training wing with F-16 aircraft.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION MacDill Air Force Base, Florida	4.PROJECT TITLE Hospital Life Safety Upgrade

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 510	7.PROJECT NUMBER 25685	8.PROJECT COST ($000) Auth 2,900 Approp 2,900

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,045
Life Safety Upgrade	LS	-	-	(2,045)
Supporting Facilities				575
Phasing	LS	-	-	(575)
Subtotal				2,620
Contingency (5.00%)				131
Total Contract Cost				2,751
Supervision, Inspection & Overhead (6.00%)				165
Category 'E' Equipment				0
Total Request				2,916
Total Request (Rounded)				2,900
Installed Equipment - Other Appropriations				(900)

10.Description of Proposed Construction Upgrade to correct life safety code deficiencies and to provide complete automatic sprinkler system. This project is designed within criteria prescribed in DoD Construction Manual 4270.1-M. This project is planned in conjunction with an Operations and Maintenance (O&M) project. The facility will be in compliance with the Uniform Federal Accessibility Standards. Operations and maintenance manuals will be provided.

11. REQUIREMENT: None ADEQUATE: None SUBSTANDARD: None

PROJECT: Correct existing code deficiencies at this composite medical facility. (CURRENT MISSION)

REQUIREMENT: Correct life safety deficiencies. This upgrade will correct numerous facility system deficiencies, and upgrade alternate power sources and comply with NFPA 70 Code requirements for all electrical service distribution. Life safety deficiencies include lack of compartmentalization, lack of exiting capacity, and non-complying vertical shafts, less than 100% fire sprinklering, insufficient visual alarm lights, and insufficient audible alarms.

CURRENT SITUATION: The original facility is 30 years old; built in 1956 with an addition in 1976. A 1985 U.S.Health and Human Services (HHS) Survey identified major life safety code deficiencies.

IMPACT IF NOT PROVIDED: Failure to correct the life safety deficiencies in

DD FORM 1 DEC 74 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION

MacDill Air Force Base, Florida

4.PROJECT TITLE Hospital Life Safety Upgrade	5.PROJECT NUMBER 25685

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
this facility will compromise the safety of patients and staff. The facility will not meet current Life Safety Code and will fail to comply with JCAHO standards.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Design Start Date .... APR 89
- (b) Percent Complete As Of 01 January 90 (BDGT YR)...... 40
- (c) Percent Complete As Of 01 October 90 (PROG YR)...... 95
- (d) Design Complete Date .... NOV 90

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used ______________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 162
- (b) All Other Design Costs 198
- (c) Total Cost 360
- (d) Contract 300
- (e) In-house 60

(4) Construction Start .... MAR 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
INVESTMENT	3080	91	150
INVESTMENT	3080	92	150
EXPENSE	3400	91	300
EXPENSE	3400	92	300
		TOTAL	900

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Fort Benning Georgia	4. COMMAND US Army Training and Doctrine Command	5. AREA CONSTRUCTION COST INDEX .80

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	1814	13260	5083	1987	9672	0	22	46	0	31,884
B. END FY 95	1628	11527	4460	1755	9022	0	55	117	17	28,581

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 169,292 AC
B. INVENTORY TOTAL AS OF 30 SEP 89.. 0
C. AUTHORIZATION NOT YET IN INVENTORY.. 0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM.. 2,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.. 0
F. PLANNED IN NEXT THREE YEARS.. 0
G. REMAINING DEFICIENCY.. 0
H. GRAND TOTAL.. 2,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	7178	Troop Medical Clinic Addition/Alteration	2,000	01/89	06/90
		SUBTOTAL PROJECTS OVER $1M	2,000		
		TOTAL	2,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:
Provides support and facilities for the U.S. Army Infantry Center and School, major combat and combat support forces, Martin U.S. Army Hospital, other tenant and satellite activities and units, and Reserve Components Training.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

DD 1 FORM DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Fort Benning, Georgia	4.PROJECT TITLE Troop Medical Clinic Replacement

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 550	7.PROJECT NUMBER 7178	8.PROJECT COST ($000) Auth 2,000 Approp 2,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,340
Troop Medical Clinic	SF	8,934	150.00	(1,340)
Supporting Facilities				306
Electric Service	LS	-	-	(23)
Water, Sewer & Gas	LS	-	-	(23)
Steam, Chilled Water & Heat Distribution	LS	-	-	(84)
Paving, Walks, Curbs & Gutters	LS	-	-	(36)
Storm Drainage	LS	-	-	(12)
Site Improvement	LS	-	-	(23)
Information Systems	LS	-	-	(50)
EMCS TIE-IN	LS	-	-	(55)
Subtotal				1,646
Contingency (5.00%)				82
Total Contract Cost				1,728
Supervision, Inspection & Overhead (6.00%)				104
Category 'E' Equipment				170
Total Request				2,002
Total Request (Rounded)				2,000
Installed Equipment - Other Appropriations				(300)

10.Description of Proposed Construction Construct a Troop Medical Clinic to support One Station Unit Training (OSUT) at Fort Benning. Utility services to include electrical service, water and sanitary sewer distribution, high temperature water and chilled water distribution, parking, curb and gutter, sidewalks, troop walkways, storm drainage, site improvements, erosion control, landscaping of building foundations, communications, EMCS tie-in, and signage. Accessibility for the handicapped will be provided in accordance with the Uniform Federal Accessibility Standards. This project is designed within criteria prescribed in DOD Construction Manual 4270.1-M. Operating systems manuals will be provided. Air conditioning is required.

11. REQUIREMENT: 8,934 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a Troop Medical Clinic. (Current Mission).

REQUIREMENT: This project is required to meet the needs of the Army Infantry Training Center at Sand Hill. This facility will provide the medical requirements for four battalions of basic trainees.

CURRENT SITUATION: Currently, two troop medical clinics and one health clinic exist in the Sand Hill area of Fort Benning. These clinics cannot support seven existing battalions of trainees, one battalion of drill sergeant students, two companies of trainee brigade support personnel, and the two

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION

Fort Benning, Georgia

4.PROJECT TITLE Troop Medical Clinic Replacement	5.PROJECT NUMBER 7178

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
remaining trainee battalions that will be relocated to Sand Hill.
IMPACT IF NOT PROVIDED: The existing troop medical and health clinic in Sand Hill will continue to be overcrowded, resulting in a potential loss of training time and a reduction in the quality of healthcare services.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Design Start Date .... JAN 89
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 65
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(d) Design Complete Date .... JUN 90

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 105
(b) All Other Design Costs 129
(c) Total Cost 234
(d) Contract 195
(e) In-house 39

(4) Construction Start .... DEC 90
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
MEDICAL EQUIPMENT	OPA	91	300
		TOTAL	300

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Fort Riley Kansas	4. COMMAND US Army Forces Command	5. AREA CONSTRUCTION COST INDEX .89

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	1360	13407	1360	0	0	0	827	932	983	18,869
B. END FY 95	1336	13209	1360	0	0	0	827	932	983	18,647

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY..................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM.............................	1,050
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.........................	0
F. PLANNED IN NEXT THREE YEARS...	0
G. REMAINING DEFICIENCY..	0
H. GRAND TOTAL...	1,050

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
550	10437	Troop Medical Clinic	1,050	12/88	01/90
		SUBTOTAL PROJECTS OVER $1M	1,050		
		TOTAL	1,050		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

PROVIDE FOR SUPPORT AND TRAINING OF THE FIRST INFANTRY DIVISION (MECH) AND NON-DIVISIONAL SUPPORT UNITS. SUPPORT THE US ARMY CORRECTIONAL ACTIVITY, THIRD REGION ROTC, READINESS GROUP, AND RESERVE COMPONENTS TRAINING.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Fort Riley, Kansas	4.PROJECT TITLE Troop Medical Clinic Replacement

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 550	7.PROJECT NUMBER 10437	8.PROJECT COST ($000) Auth 1,050 Approp 1,050

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				773
Troop Medical Clinic	SF	6,295	118.00	(743)
Asbestos Removal	LS	-	-	(30)
Supporting Facilities				151
Electric Service	LS	-	-	(10)
Water, Sewer & Gas	LS	-	-	(20)
Paving, Walks, Curbs & Gutters	LS	-	-	(46)
Storm Drainage	LS	-	-	(10)
Site Improvement (30) Demolition (10)	LS	-	-	(40)
Information Systems	LS	-	-	(25)
Subtotal				924
Contingency (5.00%)				46
Total Contract Cost				970
Supervision, Inspection & Overhead (6.00%)				58
Category 'E' Equipment				0
Total Request				1,028
Total Request (Rounded)				1,050
Installed Equipment - Other Appropriations				(258)

10.Description of Proposed Construction Construct a permanent facility of reinforced concrete and masonry construction. The project will include required utility services, communications, operating systems manuals, fire protection and alarm systems, paving/parking, walks, curb, gutters, storm drainage, site improvements and demolition of the existing facility. This project will be designed and constructed in accordance with current energy conservation policies and regulations. Project is not sited within a flood plain. Accessibility for the handicapped will be provided in accordance with the Uniform Federal Accessibility Standards. Facility design is within criteria prescribed by DoD Construction Manual 4270.1-M. Air conditioning is required. Operating systems manuals will be provided.

11. REQUIREMENT: 6,295 SF ADEQUATE: None SUBSTANDARD: 1,490 SF

PROJECT: Construction of a Troop Medical Clinic (TMC) at Fort Riley, KS. (CURRENT MISSION)

REQUIREMENT: This project is required to provide an adequate medical facility and support facilities for the aviation element at Marshall Army Airfield.

CURRENT SITUATION: The Troop Medical Clinic is currently housed in a substandard WW II mobilization building, T832, at 1,490 SF. This building,

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION

Fort Riley, Kansas

4.PROJECT TITLE Troop Medical Clinic Replacement	5.PROJECT NUMBER 10437

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
constructed in 1941, is located in a World War II-vintage building complex that has been largely demolished. The physical condition of this wood frame clinic has deteriorated so that constant and excessive maintenance is required. The facility lacks space for records maintenance, patient waiting area, office space, equipment and supply storage, as well as any emergency treatment area. Heating, sanitation, ventilation, and air conditioning are major problems with the antiquated building systems. Frequently, summer temperatures rise to over 100 degrees Fahrenheit and winter temperatures drop below minus 20 degrees Fahrenheit. This situation requires personnel to travel to Irwin Army Community Hospital (IACH) for almost any treatment beyond diagnosis. IACH is located in Camp Whitside, some 3 miles from Marshall Army Airfield.

IMPACT IF NOT PROVIDED: Failure to approve this project will result in use of substandard, deteriorating structures which are scheduled for demolition and adversely affect personnel health services, as well as morale. These factors, along with the deteriorating conditions and expanding mission of the airfield dispensary, currently servicing a battalion expanding to a brigade, make the provision of satisfactory medical care an impossibility if a new facility is not constructed.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date .... APR 89
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 65
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(d) Design Complete Date .... APR 90

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 53
(b) All Other Design Costs 66
(c) Total Cost 119
(d) Contract 99
(e) In-house 20

(4) Construction Start .... DEC 90
month & year

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Fort Riley, Kansas		
4. PROJECT TITLE Troop Medical Clinic Replacement		5. PROJECT NUMBER 10437

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
MEDICAL EQUIPMENT	OPA	91	258
		TOTAL	258

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Nellis Air Force Base, Nevada	4. COMMAND Tactical Air Command	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	0	0	0	0	0	0	0	0	0	0
B. END FY 95	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY..................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM.............................	56,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..........................	0
F. PLANNED IN NEXT THREE YEARS..	0
G. REMAINING DEFICIENCY...	0
H. GRAND TOTAL..	56,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	25424	Composite Medical Facilities	56,000	12/87\	06/90
		SUBTOTAL PROJECTS OVER $1M	56,000		
		TOTAL	56,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

This base hosts the USAF Tactical Fighter Weapons Center a tactical fighter wing of F-16 aircraft; and a fighter weapons wing of F-5, F-15 and A-10 aircraft. It also hosts a TAC fighter training group (RED FLAG).

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Nellis Air Force Base, Nevada	4.PROJECT TITLE Composite Medical Facility Replacement

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 510	7.PROJECT NUMBER 25424	8.PROJECT COST ($000) Auth 4,000 Approp 56,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				40,382
Hospital	SF	308,685	122.00	(37,660)
Ambulance & Crash Shelter	SF	1,877	61.45	(115)
WRM Storage	SF	9,900	55.31	(548)
Energy Plant	LS	-	-	(2,059)
VETERANS ADMIN COPAY ($9,300)	SF	54,232		()
Supporting Facilities				7,081
Electric Service	LS	-	-	(1,803)
Water, Sewer & Gas	LS	-	-	(615)
Paving, Walks, Curbs & Gutters	LS	-	-	(1,508)
Site Improvement	LS	-	-	(2,069)
Information Systems	LS	-	-	(1,086)
Subtotal				47,463
Contingency (5.00%)				2,373
Total Contract Cost				49,836
Supervision, Inspection & Overhead (6.00%)				2,990
Category 'E' Equipment				3,230
Total Request				56,056
Total Request (Rounded)				56,000
Installed Equipment - Other Appropriations				(7,200)

10.Description of Proposed Construction This project provides the second increment of the $62 million authorized by Congress for the replacment of the Nellis AFB Composite Medical Facility. The facility will include a concrete pier foundation and floor slab, structural steel frame, masonry walls, built-up roofing system, utilities, parking lots, access roads and other support including all communication systems requirements and facility systems operating manuals. Functional areas include 128 beds, medical, surgical, psychiatric and obstetrical services, comprehensive outpatient clinics, a 44 dental treatment room (DTR) dental clinic, radiology, pathology, food service, physical therapy, administration, logistics, WRM storage and all necessary support. This project will be the result of a cost-sharing arrangement with the Veteran's Administration (VA). The VA's co-payment for this project (construction costs only) is $9.3 million. The VA's portion of total building scope is 54,232 gross square feet (GSF). Facility will fully comply with Uniform Federal Accessibility Standards. This project is designed within criteria prescribed in DoD Construction Manual 4270.1-M. Air Conditioning: 850 Tons.

11. REQUIREMENT: 320,462 SF ADEQUATE: None SUBSTANDARD: 118,119 SF

PROJECT: Construct a 128-bed replacement composite medical facility sized

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION

Nellis Air Force Base, Nevada

4. PROJECT TITLE Composite Medical Facility Replacement	5. PROJECT NUMBER 25424

11. REQUIREMENT: (Continued)

PROJECT: (Continued) to permit integrated Air Force/Veterans Administration operations. 76 beds will be designated for DoD use; 52 beds for VA use. (Current Mission).

REQUIREMENT: A composite medical facility of sufficient size and functional configuration is needed to provide comprehensive inpatient, outpatient and dental services to the military community served and to provide inpatient support to the Las Vegas Veterans Administration operations. A comprehensive economic analysis performed by a private contractor in July of 1985 determined that it is not cost effective to upgrade the existing facility and supported the scope of services provided by this project. A medical Air Transportable Hospital (ATH) assemblage and resupply as well as two Air Transportable Clinics (ATC) necessary to meet wartime commitments are becoming available with no permanent storage space.

CURRENT SITUATION: Nellis has the fastest growing active duty population of any USAF Tactical Air Command Base. The existing facility, constructed in 1965, is unable to meet current and projected mission requirements without significant space increases. The economic analysis strongly supports a joint agreement as the most cost effective medical care alternative. A recent study by Health and Human Services (HHS) determined significant life/fire safety code violations exist which threaten patients and staff. Significant space limitations exist in virtually all departments, limiting provider productivity and quality assurance initiatives. Utility and air handling systems have reached their serviceable life expectancies. The existing facility cannot be expanded in place.

IMPACT IF NOT PROVIDED: The facility cannot meet current or projected workload for the existing catchment population. Major life safety, utility and functional deficiencies will remain. VA workload within the Nellis catchment population will ontinue to use the expensive civilian health care system. Without this project the VA cannot save $7.1 million in annual operating expenses.

ADDITIONAL: Total project scope for this integrated DoD/VA facility is 374,694 square feet. Of this total the VA portion is approximately 54,232 gross square feet to support integrated VA operations. The scope shown in the Primary Facility section under Block 9 is for the DoD and VA portion of the building. The estimated VA share of the construction cost is $9.3 million and funds have been programmed in the VA's FY 90 construction program for this purpose.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
  - (1) Status:
    - (a) Design Start Date .... DEC 87
    - (b) Percent Complete As Of 01 January 90 (BDGT YR)...... 80
    - (c) Percent Complete As Of 01 October 90 (PROG YR)...... 100

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Nellis Air Force Base, Nevada		
4. PROJECT TITLE Composite Medical Facility Replacement		5. PROJECT NUMBER 25424

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(1) Status: (Continued)

(d) Design Complete Date .... JUN 90

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a) Production of Plans and Specifications	3,661
(b) All Other Design Costs	4,475
(c) Total Cost	8,136
(d) Contract	6,780
(e) In-house	1,356

(4) Construction Start .... AUG 90
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
INVESTMENT	3080	91	1350
INVESTMENT	3080	92	1350
EXPENSE	3400	91	2000
EXPENSE	3400	92	2500
		TOTAL	7,200

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Camp Lejeune Marine Corps Base North Carolina	4. COMMAND Naval Medical Command Mid Atlantic Region	5. AREA CONSTRUCTION COST INDEX .92

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	3	24	1	0	0	0	561	2243	0	2,832
B. END FY 95	3	24	1	0	0	0	561	2243	0	2,832

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	3,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	4,400
F. PLANNED IN NEXT THREE YEARS....................................	0
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	7,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	75827	Medical Φ/Dental Clinic Replacement	3,200	11/87	10/90
		SUBTOTAL PROJECTS OVER $1M	3,200		
		TOTAL	3,200		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) :		
550	Troop Medical Clinic-New River	4,400
	SUBTOTAL PROJECTS OVER $1M	4,400
	TOTAL	4,400

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

Provide medical and dental outpatient health care services to active duty Marine Corps personnel.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Camp Lejeune MCB, North Carolina	4.PROJECT TITLE Medical / Dental Clinic Replacement

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 550	7.PROJECT NUMBER 25827	8.PROJECT COST ($000) Auth 3,200 Approp 3,200

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,852
Branch Medical/Dental Clinic	SF	15,377	119.00	(1,830)
Ambulance Shelter	SF	400	55.00	(22)
Supporting Facilities				680
Electric Service	LS	-	-	(40)
Water, Sewer & Gas	LS	-	-	(340)
Paving, Walks, Curbs & Gutters	LS	-	-	(80)
Site Improvement (40) Demolition (180)	LS	-	-	(220)
Subtotal				2,532
Contingency (5.00%)				127
Total Contract Cost				2,659
Supervision, Inspection & Overhead (6.00%)				160
Category 'E' Equipment				400
Total Request				3,219
Total Request (Rounded)				3,200
Installed Equipment - Other Appropriations				(459)

10.Description of Proposed Construction Provide a single story structure, concrete floors and foundation, built-up roof with supporting utility systems. Fire protection, HVAC, ambulance shelter and demolition of existing facilities are necessary for this project. The project will meet handicapped requirements in accordance with Uniform Federal Accessibility Standards. This project is in compliance with criteria prescribed by Construction Manual 4270.1-M. Operating systems manuals will be provided. Air conditioning is required.

11. REQUIREMENT: 15,777 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Provide a medical/dental facility with an ambulance shelter. (CURRENT MISSION)

REQUIREMENT: Adequate medical/dental facilities are needed to support the Marine Corps Engineer School and the 2nd Amphibious Assault Battalion.

CURRENT SITUATION: The existing clinic was constructed in 1942 and is not conducive to providing the necessary quality medical and dental care. Safety inspectors have indicated that it is not economically feasible to bring this facility into compliance with current fire and life safety standards. No fire alarm system exists within the building.

IMPACT IF NOT PROVIDED: Continued use of an inadequate facility to provide medical and dental care to a deployable 2nd Amphibious Assault Battalion.

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1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Camp Lejeune MCB, North Carolina		
4.PROJECT TITLE Medical / Dental Clinic Replacement		5.PROJECT NUMBER 25827

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date .... NOV 87

(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 45

(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100

(d) Design Complete Date .... OCT 90

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 149

(b) All Other Design Costs 81

(c) Total Cost 230

(d) Contract 215

(e) In-house 15

(4) Construction Start .... MAR 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
INVESTMENT	OPN	91	138
EXPENSE	OMN	91	321
		TOTAL	459

DD FORM 1 DEC 76 1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

(

1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Altus Air Force Base Oklahoma	4. COMMAND Military Airlift Command	5. AREA CONSTRUCTION COST INDEX .99

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	513	3284	593	121	209	0	7	0	2	4,729
B. END FY 95	546	3420	592	121	209	0	7	0	2	4,897

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89..	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM...............................	500
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM...........................	0
F. PLANNED IN NEXT THREE YEARS...	0
G. REMAINING DEFICIENCY..	0
H. GRAND TOTAL...	500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	25730	Medical Logistics Facility Addition	500	04/89	06/90
		SUBTOTAL PROJECTS $1M & LESS	500		
		TOTAL	500		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

The MAC consolidated training center for C-5 and C-141 aircrew training. Beddown location for SAC KC-135 refueling group which supports single integrated operations plan (SIOP) tasking.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Altus Air Force Base, Oklahoma	4. PROJECT TITLE Medical Logistics Facility Addition

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 510	7. PROJECT NUMBER 25730	8. PROJECT COST ($000) Auth 500 Approp 500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				426
Medical Logistics Addition	SF	6,200	67.00	(415)
Alteration	SF	1,000	11.00	(11)
Supporting Facilities				86
Electric Service	LS	–	–	(25)
Water, Sewer & Gas	LS	–	–	(20)
Paving, Walks, Curbs & Gutters	LS	–	–	(25)
Site Improvement	LS	–	–	(4)
Information Systems	LS	–	–	(6)
Pier Drilling	LS	–	–	(6)
Subtotal				512
Contingency (5.00%)				26
Total Contract Cost				538
Supervision, Inspection & Overhead (6.00%)				32
Category 'E' Equipment				0
Total Request				570
Total Request (Rounded)				570
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a one story masonry facility compatible with the existing medical facility, slab on grade foundation, steel frame, environmental control system, fire protection, security alarm, paving/parking/loading areas, built-up roof, and all supporting utilities. Includes renovation of existing facility to allow for the addition. Accessibility for the handicapped will be provided in compliance with the Uniform Federal Accessibility Standards. This project is designed within criteria prescribed in DoD Construction Manual 4270.1-M. Air conditioning is required.

11. REQUIREMENT: 7,288 SF ADEQUATE: None SUBSTANDARD: 1,000 SF

PROJECT: Construct a facility adjacent to the base hospital for storage of perishable medical supplies and medical equipment. (Current Mission).

REQUIREMENT: A facility is required as part of the composite medical facility for storage of perishable, frequently used medical material and equipment.

CURRENT SITUATION: Storage of these types of medical supplies must be included as part of the composite medical facility. Due to insufficient space in the medical facility and lack of adequate warehouse space, critical, frequently used, costly equipment and perishable medical supplies are being

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Altus Air Force Base, Oklahoma		
4. PROJECT TITLE Medical Logistics Facility Addition		5. PROJECT NUMBER 25730

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

stored in a substandard warehouse a mile from the medical facility. This warehouse is a wooden World War II structure, scheduled for demolition. As such only maintenance necessary to preserve the facility until it is demolished is allowed. There is no insulation in the building, cracks exist in the siding, it is impossible to get doors to stay weathertight, and the environmental controls are not sufficient to maintain reasonable temperatures. The roof has been repaired many times, but the type roof and condition of the substructure is such that, coupled with frequent high winds and driving rain, the repairs do not permanently prevent leaks. Material has been damaged and/or become unusable due to moisture and temperature.

IMPACT IF NOT PROVIDED: There will be inadequate facilities which are not adjacent to the composite medical facility for storage of these medical supplies at Altus Air Force Base.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date .... APR 89

(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 100

(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100

(d) Design Complete Date .... JUL 89

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 29

(b) All Other Design Costs 4

(c) Total Cost 33

(d) Contract 25

(e) In-house 8

(4) Construction Start .... JAN 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

DD 1 FORM DEC 76 1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Fort Sill Oklahoma	4. COMMAND US Army Training and Doctrine Command	5. AREA CONSTRUCTION COST INDEX .92

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	0	0	0	0	0	0	0	0	0	0
B. END FY 95	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89......................................	0
C. AUTHORIZATION NOT YET IN INVENTORY...................................	27,000
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..............................	10,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..........................	2,500
F. PLANNED IN NEXT THREE YEARS..	0
G. REMAINING DEFICIENCY...	62,939
H. GRAND TOTAL..	102,639

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	33109	Hospital Replacement Ph III	10,200	09/83	11/88
		SUBTOTAL PROJECTS OVER $1M	10,200		
		TOTAL	10,200		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) :		
550	HEALTH CLINIC	2,500
	SUBTOTAL PROJECTS OVER $1M	2,500
	TOTAL	2,500

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

Support and training of artillery and missile units, operation of the US Army Field Artillery Center and School, US Army Reception Center and provides support for tenant activities and Reserve Components summer training.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

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1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Fort Sill, Oklahoma	4. PROJECT TITLE Hospital Replacement Ph III

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 510	7. PROJECT NUMBER 33109	8. PROJECT COST ($000) Auth 0 Approp 10,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				9,380
Inpatient and Ancillary Bldg	LS	-	-	(9,380)
Subtotal				9,380
Contingency (5.00%)				469
Total Contract Cost				9,849
Supervision, Inspection & Overhead (6.00%)				591
Category 'E' Equipment				0
Total Request				10,440
Total Request (Rounded)				10,400
Installed Equipment - Other Appropriations				(9,148)

10. Description of Proposed Construction This is the third increment of a project to construct a 157-bed inpatient facility with ancillary support services (e.g. dentistry, physical therapy, radiology, pathology, laboratory, surgical suites, labor and delivery, food services, intensive care, and central materiel services). Supporting facilities will include utilities, access road parking, paving, walks, curbs, and gutters, storm drainage, communications to include local area network. This project will be integrated with Phases I and II. Project will complete construction and final funding to replace Reynolds Army Community Hospital. Accessibility for the handicapped will be provided in compliance with Uniform Federal Accessibility Standards. Heating and Air Conditioning (750 tons) will be provided. This project is designed within criteria prescribed in DoD construction manual 4270.1-M.

11. REQUIREMENT: 301,354 SF ADEQUATE: None SUBSTANDARD: 197,134 SF

PROJECT: Construct an inpatient and ancillary support facility. Phase III of the replacement of Reynolds Army Community Hospital.

REQUIREMENT: This project is required to provide for the treatment of basic training and ready deployment force personnel. The hospital project is required to meet minimum space requirements for the provision of quality,

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Fort Sill, Oklahoma		
4.PROJECT TITLE Hospital Replacement Ph III		5.PROJECT NUMBER 33109

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued) contemporary inpatient and ancillary health care services to meet Joint Commission on Accreditation of Healthcare Organizations, Occupational Safety and Health Act, National Fire Protection Association, and DoD Standards.
CURRENT SITUATION: The present hospital constructed in 1964 is undersized to support the current workload; it requires extensive electrical and mechanical upgrade, and is not economically upgradable to seismic standards. This project complements an FY 86 project. Upon completion, Ft.Sill will have a new and consolidated hospital.

IMPACT IF NOT PROVIDED: If this project is not provided, Reynolds Army Hospital may lose accreditation from the Joint Commission on Accreditation of Healthcare Organizations. This would negatively impact on the medical treatment of over 40,000 patients supported at Ft.Sill.

ADDITIONAL: All known alternatives were considered in an economic analysis which supports this project.

12. SUPPLEMENTAL DATA:
    A. Estimated Design Data:
        (1) Status:
            (a) Design Start Date .... SEP 83
            (b) Percent Complete As Of 01 January 90 (BDGT YR)...... 100
            (c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
            (d) Design Complete Date .... MAY 88

        (2) Basis:
            (a) Standard or Definitive Design - Yes ___ No X
            (b) Where Design Was Most Recently Used ____________

        (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
            (a) Production of Plans and Specifications .... ____
            (b) All Other Design Costs 2,183
            (c) Total Cost 2,183
            (d) Contract 2,183
            (e) In-house .... ____

        (4) Construction Start .... NOV 89
            month & year

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Fort Sill, Oklahoma		
4.PROJECT TITLE Hospital Replacement Ph III		5.PROJECT NUMBER 33109

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Philadelphia Naval Shipyard Pennsylvania	4. COMMAND NAVAL MEDICAL COMMAND, NORTHEAST REGION	5. AREA CONSTRUCTION COST INDEX 1.08

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	20	39	34	0	0	0	2292	9170	13235	24,790
B. END FY 95	21	39	34	0	0	0	2292	9170	13235	24,791

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89..................................	0
C. AUTHORIZATION NOT YET IN INVENTORY..............................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM........................	11,600
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....................	0
F. PLANNED IN NEXT THREE YEARS.....................................	0
G. REMAINING DEFICIENCY..	0
H. GRAND TOTAL...	11,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
550	25832	Med/Den/Occupational Health Clinic	11,600	01/89	05/90
		SUBTOTAL PROJECTS OVER $1M	11,600		
		TOTAL	11,600		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

Provide routine medical services and complete dental services to uniformed service beneficiaries of Philadelphia Naval Shipyard and operational forces. To provide occupational health services, including medical surveillance, for eligible civilian shipyard personnel and to serve as single logistics manager for subordinate medical/dental clinics. Activities supported include: Philadelphia Naval Shipyard (PNSY), Naval Station Philadelphia (NAVSTA), Naval Ships Systems Engineer Station (NAVSSES), and numerous smaller tenant commands. Provide a full range of outpatient medical and dental health care services to active duty military and occupational health services to authorized civilians stationed at the shipyard.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

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PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90

INSTALLATION AND LOCATION: Philadelphia Naval Shipyard Pennsylvania

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Philadelphia Naval Shipyard, Pennsylvania	4.PROJECT TITLE Med/Den/Occupational Health Clinic

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 550	7.PROJECT NUMBER 25832	8.PROJECT COST ($000) Auth 11,600 Approp 11,600

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				7,805
Medical/Occ Health Clinics	SF	38,994	123.00	(4,796)
Dental Clinic	SF	17,564	168.00	(2,951)
Ambulance Garage	SF	960	60.00	(58)
Supporting Facilities				2,060
Electric Service	LS	–	–	(140)
Water, Sewer & Gas	LS	–	–	(120)
Paving, Walks, Curbs & Gutters	LS	–	–	(400)
Site Improvement	LS	–	–	(950)
Information Systems	LS	–	–	(150)
Special Construction Features	LS	–	–	(300)
Subtotal				9,865
Contingency (5.00%)				493
Total Contract Cost				10,358
Supervision, Inspection & Overhead (6.00%)				622
Category 'E' Equipment				620
Total Request				11,600
Total Request (Rounded)				11,600
Installed Equipment - Other Appropriations				(1,870)

10.Description of Proposed Construction Construct a new multi-story medical/dental/occupational health clinic of permanent, fire-resistant construction, complete with laboratories, examination and treatment rooms, dental operatories, pharmacy, administrative and service support areas. Provide required electrical, mechanical services, access, parking areas, paving, walks, curbing, gutters, sitework, storm drainage and required utility services. Medical/dental telecommunications systems and operational concept manuals will be provided so as to comply with legal and professional accreditation standards. Provide a two-stall ambulance garage to include required utilities. This project will be designed in accordance with DoD Construction Manual 4270.1-M and current energy conservation policies and regulations. Installation of an existing Energy Monitoring and Control System (EMCS) to be included. Accessibility for the handicapped will be provided in accordance with the Uniform Federal Accessibility Standards. Air conditioning is required.

11. REQUIREMENT: 57,518 SF ADEQUATE: None SUBSTANDARD: 23,599 SF

PROJECT: This construction project will provide a replacement multi-story medical and dental facility on the Naval Station. (CURRENT MISSION)

REQUIREMENT: This project is required to provide a complete and modern

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Philadelphia Naval Shipyard, Pennsylvania		
4.PROJECT TITLE Med/Den/Occupational Health Clinic		5.PROJECT NUMBER 25832

11. REQUIREMENT: (Continued)
REQUIREMENT: (Continued)
health care facility for approximately 11,500 active duty military and a civilian work force of 13,000 assigned to Naval Shipyard Philadelphia.
CURRENT SITUATION: The Philadelphia Branch Medical Clinic at the Philadelphia Naval Base is comprised of four clinical buildings constructed in 1935 and two supply buildings. The necessity to use four separate buildings results in a grossly inefficient medical facility and impedes an orderly flow of traffic in the clinical areas. The buildings are in a poor state of repair. Particularly significant are the documented structural and foundation problems existing in Building #64. There are insufficient medical exam rooms and Dental Treatment Rooms. The Radiology department is located approximately 150 feet from the medical clinic causing difficulties for both staff and patients particularly during inclement weather.
IMPACT IF NOT PROVIDED: The clinic will continue to provide medical, dental and occupational health services in an inadequate facility, both structurally and functionally, with detrimental effects on the health care, welfare and morale of both the military and civilian personnel served and the clinic staff.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Design Start Date .... JAN 89
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 40
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(d) Design Complete Date .... MAY 90

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 660
(b) All Other Design Costs 440
(c) Total Cost 1,100
(d) Contract 935
(e) In-house 165

(4) Construction Start .... DEC 90
month & year

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1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Philadelphia Naval Shipyard, Pennsylvania		
4. PROJECT TITLE Med/Den/Occupational Health Clinic		5. PROJECT NUMBER 25832

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
INVESTMENT	OPN	91	561
EXPENSE	OMN	91	1309
		TOTAL	1,870

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Lackland Air Force Base Texas	4. COMMAND Air Force Systems Command	5. AREA CONSTRUCTION COST INDEX .88

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	1634	4724	1986	80	9999	24	11	216	22	18,696
B. END FY 95	1639	4681	1971	80	9999	24	11	216	22	18,643

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE...........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY.................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM............................	2,250
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.........................	0
F. PLANNED IN NEXT THREE YEARS..	0
G. REMAINING DEFICIENCY...	0
H. GRAND TOTAL..	2,250

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	25683	Magnetic Resonance Imaging Facility	2,250	11/88	12/90
		SUBTOTAL PROJECTS OVER $1M	2,250		
		TOTAL	2,250		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

Major activities include the AF Military Training Center, the principal center for initial processing of officer and enlisted personnel and for basic military training; a technical training wing for Air Force personnel in fields of sec- urity police and social actions; and the Wilford Hall Medical Center (AFSC) which services medical needs of area Department of Defense beneficiaries.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Lackland Air Force Base, Texas	4.PROJECT TITLE Magnetic Resonance Imaging Facility

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 510	7.PROJECT NUMBER 25683	8.PROJECT COST ($000) Auth 2,250 Approp 2,250

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,503
MRI Facility	SF	6,730	200	(1,346)
Alter Existing Facility	SF	1,566	100.00	(157)
Supporting Facilities				437
Electric Service	LS	-	-	(200)
Water, Sewer & Gas	LS	-	-	(40)
Paving, Walks, Curbs & Gutters	LS	-	-	(49)
Site Improvement	LS	-	-	(108)
Information Systems	LS	-	-	(40)
Subtotal				1,940
Contingency (5.00%)				97
Total Contract Cost				2,037
Supervision, Inspection & Overhead (6.00%)				122
Category 'E' Equipment				80
Total Request				2,239
Total Request (Rounded)				2,250
Installed Equipment - Other Appropriations				(2,200)

10.Description of Proposed Construction Construct a Magnetic Resonance Imaging (MRI) Facility at Wilford Hall Medical Center (WHMC). The 1.5 Tesla MRI is of special construction without iron or steel reinforcement, fasteners, or materials Reinforcement and main structural materials are fiberglass, aluminum, and high strength concrete. The facility includes: MRI procedure room, operating area, computer room, viewing/analysis room, doctor's offices, administrative area, locker rooms, waiting room, elevator, mechanical room and connecting corridors (which will include vertical transport for the patients). The mechanical rooms contain all support systems (cryogen recovery/refrigeration) and cryogenic storage. The project includes liquid helium and liquid nitrogen cryogenic systems and all communications systems requirements and facility systems operating manuals. Accessibility for the handicapped will be provided in compliance with the Uniform Federal Accessibility Standards. This facility is designed within criteria prescribed by DoD Construction Manual 4270.1-M. Project will be Design-Build. Equipment cooling: 10 tons. Air conditioning: 20 tons. Operating and maintenance manuals will be provided.

11. REQUIREMENT: 8,296 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a magnetic resonance imaging (MRI) diagnostic medical

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Lackland Air Force Base, Texas		
4.PROJECT TITLE Magnetic Resonance Imaging Facility		5.PROJECT NUMBER 25683

facility to analyze abnormal tissue size and location within patients. (Current Mission)

REQUIREMENT: A medical diagnostic facility utilizing magnetic resonance imaging (MRI) technology. MRI is a medical imaging modality which utilizes magnetic fields and radio frequency (RF) emissions to generate computer processed images of the body. MRI permits images of a variety of pathological conditions with remarkable detail without using ionizing radiation and therefore, less damage to the patient's tissue, and decreasing staff susceptibility to irradiation. MRI has become the definitive diagnostic tool for many neurological conditions and soft tissue studies.

CURRENT SITUATION: Wilford Hall USAF Medical Center (WHMC) is the Air Force lead teaching hospital with radiology services, an integral part of the teaching mission, and it does not have MRI capability. WHMC contracts with a local civilian hospital, Southwest Texas Medical Center (STMC), for MRI studies but this service is limited, inefficient and very costly. This contract permits only 750 procedures per year out of a total required 4,945. Contracted cost is approximately $700 per study. There is no available space in the WHMC Radiology Department to permit installation of a permanent MRI system. Alternatives to incorporate the MRI Suite within existing structures have been evaluated. Technical constraints of interference with the MRI magnetic field have precluded the use of existing structures. MRI is a new medical technology developed after the execution WHMC's FY 76 military construction project.

IMPACT IF NOT PROVIDED: Patients will be denied access to a diagnostic system that provides superior abnormal tissue definition. The medical staff will be denied experience with the new techniques, further restricting the proper employment of the best techniques available for patient care. Lack of MRI technology at WHMC will necessitate transporting patients to a suitably equipped civilian facility and require continued costly expenditures.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date .... NOV 88

(b) Percent Complete As Of 01 January 90 (BDGT YR)...... N/A

(c) Percent Complete As Of 01 October 90 (PROG YR)...... N/A

(d) Design Complete Date .... DEC 90

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___

(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications .... ______

(b) All Other Design Costs .... ______

DD 1 FORM DEC 74 1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
DEF (DMFO)		08 JAN 90

3. INSTALLATION AND LOCATION

Lackland Air Force Base, Texas

4. PROJECT TITLE	5. PROJECT NUMBER
Magnetic Resonance Imaging Facility	25683

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3) Total Cost: (Continued) ($000)

(c) Total Cost .... ______

(d) Contract .... ______

(e) In-house .... ______

(4) Construction Start .... MAR 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
INVESTMENT	3080	91	1200
EXPENSE	3400	91	375
		TOTAL	1,575

DD FORM 1 DEC 76 1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Fort Sam Houston Texas	4. COMMAND US Army Forces Command	5. AREA CONSTRUCTION COST INDEX .88

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	1703	3226	4608	1153	5132	0	106	157	3283	19,368
B. END FY 95	1630	3219	4673	1087	4760	0	106	157	4393	20,025

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	3,158 AC
B. INVENTORY TOTAL AS OF 30 SEP 89..	0
C. AUTHORIZATION NOT YET IN INVENTORY..	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..	77,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..	57,000
F. PLANNED IN NEXT THREE YEARS..	38,000
G. REMAINING DEFICIENCY..	0
H. GRAND TOTAL..	172,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	28819	Hospital Replacement Phase IV	77,000	03/87	07/90
		SUBTOTAL PROJECTS OVER $1M	77,000		
		TOTAL	77,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) :		
510	Hospital Replacement Phase V	57,000
	SUBTOTAL PROJECTS OVER $1M	57,000
	TOTAL	57,000
B. PLANNED NEXT THREE PROGRAM YEARS :		
510	Hospital Replacement Phase VI	38,000
	SUBTOTAL PROJECTS OVER $1M	38,000
	TOTAL	38,000

10. MISSION OR MAJOR FUNCTIONS:

The mission of HQ, Fort Sam Houston, is: Command and control Fort Sam Houston, its' sub-installations and assigned or attached FORSCOM units or activities; provide support to activities within its' geographical support area. Major activities on Fort Sam Houston include: HQ, Fifth U.S. Army; HQ, Health Services Command; Academy of Health Sciences; Brooke Army Medical Center, Joint Military Medical Command; HQ, Fifth Recruiting Brigade; HQ, San Antonio Real Property Maintenance Activity, USAF; San Antonio Contracting Center, USAF; San Antonio

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90

INSTALLATION AND LOCATION: Fort Sam Houston Texas

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

Hydrographic/Topographic Center, DMA; HQ, Inter-American Geodetic Servey, DMA. The Camp Bullis sub-installation, in addition to its' function of a reserve component training site, serves as a range and maneuver training area for active component activities such as: Academy of Health Sciences, Fort Sam Houston; 3287th Technical Squadron, Lackland AFB; and numerous units from Fort Hood.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
DEF (DMFO)		08 JAN 90

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Fort Sam Houston, Texas	Hospital Replacement Phase IV

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
87717D	510	28819	Auth 0 Approp 77,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				58,500
Hospital Construction Phase IV	LS	-	-	(58,500)
Subtotal				58,500
Contingency (5.00%)				2,925
Total Contract Cost				61,425
Supervision, Inspection & Overhead (6.00%)				3,686
Category 'E' Equipment				11,936
Total Request				77,047
Total Request (Rounded)				77,000
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction This project provides the fourth increment of $77 million for the replacement of Brooke Army Medical Center authorized by Congress in FY 87 and amended in FY 88 at $275.0 million. The FY 1987 Authorization Act provided authorization to contract in advance of appropriations. Total project provides construction of a new, permanent, fire resistive 450 bed hospital, with outpatient clinics, ancillary and support areas, ambulance garage and helipad. This phase may include grading, site work, foundations, building construction, utilities support, ancillary facilities, logistical support facilities, and Government furnished equipment. Facilities will be air-conditioned. Site preparation, paving, walks, emergency access, access roads, traffic control, street lighting, landscaping and relocation of equipment are to be accomplished in the total project. Accessibility for the handicapped will be in compliance with Uniform Federal Accessibility Standards. Operating systems manuals will be provided. The project is designed within criteria prescribed in Construction Manual 4270.1-M.

11. REQUIREMENT: 1,422,891 SF ADEQUATE: None SUBSTANDARD: 120,812 SF

PROJECT: Project provides the fourth increment of a phased funded replacement hospital that will provide a complete inpatient facility of 450

DD FORM 1 DEC 74 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (DMFO)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION

Fort Sam Houston, Texas

4. PROJECT TITLE Hospital Replacement Phase IV	5. PROJECT NUMBER 28819

11. REQUIREMENT: (Continued)
PROJECT: (Continued)
beds. (CURRENT MISSION)

REQUIREMENT: This phase funded project, currently underway, will provide a safe and appropriately sized hospital to consolidate the antiquated and substandard facilities that comprise the existing Brooke Army Medical Center.

CURRENT SITUATION: The existing facility is comprised of over forty widely separated buildings in which medical, surgical, psychiatric and pediatric patients receive care. The Main Building was constructed in the late 1930's and is of design and age that its use as a hospital is severely limited. Tremendous additional outlays would be necessary to make this facility meet all local, state and national standards. The many educational programs for physicians, nurses and other officer and enlisted personnel provided by both Fort Sam Houston and the hospital are dependent upon the availability of clinical resources.

IMPACT IF NOT PROVIDED: The use of substandard buildings to house many functional areas of health care will increasingly compromise the delivery of quality health care and training. This also has led to duplications of services, poor staff morale and high maintenance costs.

ADDITIONAL: This project is supported by an economic assessment of the health care requirements of the beneficiary population, available health care resources and the condition of the existing facilities.

12. SUPPLEMENTAL DATA:
- A. Estimated Design Data:
  - (1) Status:
    - (a) Design Start Date .... MAR 87
    - (b) Percent Complete As Of 01 January 90 (BDGT YR)...... 65
    - (c) Percent Complete As Of 01 October 90 (PROG YR)...... 95
    - (d) Design Complete Date .... DEC 90
  - (2) Basis:
    - (a) Standard or Definitive Design - Yes ___ No X
    - (b) Where Design Was Most Recently Used ________________
  - (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    - (a) Production of Plans and Specifications .... ____
    - (b) All Other Design Costs .... ____
    - (c) Total Cost .... ____
    - (d) Contract 0
    - (e) In-house 0
  - (4) Construction Start .... MAR 91
    month & year

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION

Fort Sam Houston, Texas

4.PROJECT TITLE Hospital Replacement Phase IV	5.PROJECT NUMBER 28819

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

DD 1 FORM DEC 76 1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DMPO)		08 JAN 90

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
Cheatham Annex Virginia	Bureau of Medicine and Surgery	.00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	0	0	0	0	0	0	0	0	0	0
B. END FY 95	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89..	0
C. AUTHORIZATION NOT YET IN INVENTORY..	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM...................................	6,500
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM................................	0
F. PLANNED IN NEXT THREE YEARS...	0
G. REMAINING DEFICIENCY..	0
H. GRAND TOTAL...	6,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510		Fleet Hospital Prepositioning Facility	6,500	11/89	11/90
		SUBTOTAL PROJECTS OVER $1M	6,500		
		TOTAL	6,500		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS : NONE		

10. MISSION OR MAJOR FUNCTIONS:

Provide a warehouse to store and cost-effectively maintain this DEPMEDS asset in an immediately-deployable configuration in support of Atlantic Fleet Marine Forces.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Cheatham Annex, Virginia	4. PROJECT TITLE FLeet Hospital Prepositioning Facility

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 510	7. PROJECT NUMBER 33935	8. PROJECT COST ($000) Auth 6,500 Approp 6,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,231
Warehouse	SF	75,800	64.00	(4,851)
Container Hardstand	SF	12,650	30.00	(380)
Supporting Facilities				599
Electric Service	LS	-	-	(599)
Subtotal				5,830
Contingency (5.00%)				292
Total Contract Cost				6,122
Supervision, Inspection & Overhead (6.00%)				367
Category 'E' Equipment				0
Total Request				6,489
Total Request (Rounded)				6,500
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a one-story, high-bay controlled humidity and temperature warehouse on a suitable foundation; with concrete floor slab; metal or concrete frame, walls and roof; with dehumidification, air-conditioning, ventilation, heating, fire protection and utility systems as required; a 7,200 cubic foot drive-in refrigerator; shop spaces, equippped with compressed air, power and water service connection points for the care of supplies in storage (COSIS); an intrusion detection system; a concrete container hardstand with security lighting and perimeter fence; and supporting facilities to store in an immediately-deployable configuration a 500-Bed Combat Zone Fleet Hospital and provide COSIS, support to other Atlantic Fleet prepositioned Fleet Hospitals. This project is designed using criteria prescribed in DoD Construction Manual 4270.1M and will require a facility operations, maintenance, support and information (OMSI) package.

11. REQUIREMENT: 75,800 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Provide a warehouse to store and cost-effectively maintain this DEPMEDS asset in an immediately-deployable configuration in support of Atlantic Fleet Marine Forces (NEW MISSION).

REQUIREMENT: The Worldwide Medical Readiness Plan supports prepositioning of this Combat Zone Fleet Hospital on the Atlantic coast in CONUS in an

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Cheatham Annex, Virginia		
4. PROJECT TITLE FLeet Hospital Prepositioning Facility		5. PROJECT NUMBER 33935

immediately-deployable configuration in support of Atlantic Fleet Marine Forces.

CURRENT SITUATION: There are currently no suitable storage facilities equipped to store and cost-effectively maintain this DEPMEDS asset on the east coast near a port of embarkation.

IMPACT IF NOT PROVIDED: Rapid response to contingency bed requirements will not be met for Navy and Marine Corps Forces. Any maintenance of assets in being will be more expensive and less effective. Lack of maintained ready assets will result in increased mortality rates for combat troops. Casualties will have to be evacuated over great distances, will be deprived of immediate care, and will be delayed or prevented from returning to duty.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date .... NOV 89
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 35
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 95
(d) Design Complete Date .... NOV 90

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used ______________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications .... ______
(b) All Other Design Costs .... ______
(c) Total Cost .... ______
(d) Contract .... ______
(e) In-house .... ______

(4) Construction Start .... APR 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
EXPENSE	OMN	91	25
		TOTAL	25

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Dam Neck Naval Flight Center Virginia	4. COMMAND Naval Medical Command Mid Atlantic Region	5. AREA CONSTRUCTION COST INDEX .92

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	11	24	3	0	0	0	634	5613	0	6,285
B. END FY 95	19	34	3	0	0	0	762	6443	0	7,261

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89......................................	0
C. AUTHORIZATION NOT YET IN INVENTORY..................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..............................	4,050
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..........................	0
F. PLANNED IN NEXT THREE YEARS...	0
G. REMAINING DEFICIENCY..	0
H. GRAND TOTAL...	4,050

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
550	25848	Medical/Dental Clinic Replacement	4,050	11/88	01/91
		SUBTOTAL PROJECTS OVER $1M	4,050		
		TOTAL	4,050		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS : NONE		

10. MISSION OR MAJOR FUNCTIONS:

Provide routine and emergency medical/dental care for military personnel assigned to Fleet Combat Training Center Atlantic FCTCLANT). FCTCLANT activities includes integrated Tactical Systems Training (ITS); Operator Specialist ("A" School); Training Department (OSDA School); Anti-Submarine Warfare Command and Control (ASW, C&C); and Weapons Training. Provide outpatient medical and dental health care services to active duty military personnel.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Dam Neck, Virginia	4. PROJECT TITLE Medical/Dental Clinic Replacement

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 550	7. PROJECT NUMBER 25848	8. PROJECT COST ($000) Auth 4,050 Approp 4,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,076
Medical/Dental Clinic	SF	28,068	109.00	(3,059)
Ambulance Shelter	SF	400	43.00	(17)
Supporting Facilities				406
Electric Service	LS	-	-	(40)
Water, Sewer & Gas	LS	-	-	(50)
Paving, Walks, Curbs & Gutters	LS	-	-	(40)
Site Improvement	LS	-	-	(36)
Information Systems	LS	-	-	(40)
Special Construction Features	LS	-	-	(200)
Subtotal				3,482
Contingency (5.00%)				174
Total Contract Cost				3,656
Supervision, Inspection & Overhead (6.00%)				219
Category 'E' Equipment				175
Total Request				4,050
Total Request (Rounded)				4,050
Installed Equipment - Other Appropriations				(884)

10. Description of Proposed Construction Reinforced concrete foundation and raised floor slab, structual steel wall and roof framing. Masonry walls and all electrical, mechanical and environmental controls necessary. This project is designed within criteria prescribed in DOD Construction Manual 4270.1M. Accessibility for the handicapped will be provided in accordance with the Uniform Federal Accessibility Standards. Operating systems manuals will be provided. Air conditioning is required.

11. REQUIREMENT: 28,068 SF ADEQUATE: None SUBSTANDARD: 4,824 SF

PROJECT: A modern and functionally adequate medical/dental clinic is required to provide efficient health care services to military/civilian personnel assigned to Dam Neck Navy Fleet Combat Training Center. (Current Mission).

REQUIREMENT: A medical clinic and dental clinic of sufficient size and efficient functional configuration is needed to support the primary health care needs of Fleet Combat Training Center, Atlantic, Dam Neck and tenant commands.

CURRENT SITUATION: No unused medical space exists on base to support this additional growth in population. The present facilities are overcrowded, functionally inadequate, and structurally and mechanically deficient.

DD 1 FORM DEC 74 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Dam Neck, Virginia		
4.PROJECT TITLE Medical/Dental Clinic Replacement		5.PROJECT NUMBER 25848

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Adequate medical facilities will not be available to support the Fleet Combat Training Center, Atlantic and all their tenant commands.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date	NOV 88
(b) Percent Complete As Of 01 January 90 (BDGT YR)	60
(c) Percent Complete As Of 01 October 90 (PROG YR)	100
(d) Design Complete Date	JAN 91

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ______________

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	281
(b) All Other Design Costs	273
(c) Total Cost	554
(d) Contract	520
(e) In-house	34

(4) Construction Start .... DEC 90
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
INVESTMENT	OPN	91	265
EXPENSE	OMN	91	619
		TOTAL	884

1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Edzell Naval Security Group United Kingdom	4. COMMAND Naval Medical Command European Region	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	0	0	0	0	0	0	0	0	0	0
B. END FY 95	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89......................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM...............................	5,400
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM...........................	0
F. PLANNED IN NEXT THREE YEARS..	0
G. REMAINING DEFICIENCY...	0
H. GRAND TOTAL..	5,400

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
550	25853	Medical/Dental Clinic Replacement	5,400	05/87	01/88
		SUBTOTAL PROJECTS OVER $1M	5,400		
		TOTAL	5,400		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

Provide routine and emergency medical/dental care for military personnel assigned to the Naval Security Group in a remote area of the United Kingdom. personnel assigned to

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

DD 1 FORM DEC 74 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Fort Lee Virginia	4. COMMAND US Army Training and Doctrine Command	5. AREA CONSTRUCTION COST INDEX .90

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	325	1344	2062	605	4280	0	2	9	0	8,627
B. END FY 95	335	1414	2126	502	4164	0	2	9	0	8,552

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 5,575 AC
B. INVENTORY TOTAL AS OF 30 SEP 89.................................... 0
C. AUTHORIZATION NOT YET IN INVENTORY.................................. 0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM............................. 2,650
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM......................... 0
F. PLANNED IN NEXT THREE YEARS... 0
G. REMAINING DEFICIENCY.. 0
H. GRAND TOTAL... 2,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	22592	Hospital Life Safety Upgrade	2,650	10/88	09/90
		SUBTOTAL PROJECTS OVER $1M	2,650		
		TOTAL	2,650		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

Provides support and facilities for the US Army Quartermaster Center and School, US Army Logistics Management Center, major combat and combat support forces and other tenant activities, support reserve components and other satellited activities and units.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Fort Lee, Virginia	4. PROJECT TITLE Hospital Life Safety Upgrade

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 510	7. PROJECT NUMBER 22592	8. PROJECT COST ($000) Auth 2,650 Approp 2,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,092
Life Safety Upgrade/Alteration	LS	-	-	(1,576)
Addition	SF	4,300	120.00	(516)
Supporting Facilities				280
Electric Service	LS	-	-	(25)
Water, Sewer & Gas	LS	-	-	(25)
Information Systems	LS	-	-	(207)
Smoke Control System Tie-In	LS	-	-	(23)
Subtotal				2,372
Contingency (5.00%)				119
Total Contract Cost				2,491
Supervision, Inspection & Overhead (6.00%)				149
Category 'E' Equipment				0
Total Request				2,640
Total Request (Rounded)				2,650
Installed Equipment - Other Appropriations				(37)

10. Description of Proposed Construction Provide alterations and life safety upgrades to the following areas: pharmacy, general practice clinic, nurses stations, the EENT clinic, and food service. Project will also include additions to the mechanical room, physical therapy clinic, medical records and outpatient waiting. Project will provide automatic doors at the front and side entrances; provide installation of an automatic sprinkler system; upgrade fire partitions and doors; upgrade chillers for critical areas, upgrade HVAC system; and provide centralized piping system for oxygen and vacuum. Project will upgrade communication and electrical systems as required to bring them into compliance. Facility will be in compliance with the Uniform Federal Accessibility Standards. Project design will be within standards prescribed by DoD Construction Manual 4270.1-M. Operating manuals will be provided.

11. REQUIREMENT: 140,079 SF ADEQUATE: None SUBSTANDARD: 135,779 SF

PROJECT: Alteration and upgrade of the existing hospital to meet current Life Safety Code standards. (CURRENT MISSION)

REQUIREMENT: This project is required to correct numerous violations of NFPA Life Safety Code, OSHA Standards, DoD Construction criteria, and JCAHO Standards. Project is also required to expand certain functional areas to provide a more functional use of the facility.

INTENTIONAL
BLANK

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Fort Lee, Virginia		
4. PROJECT TITLE Hospital Life Safety Upgrade		5. PROJECT NUMBER 22592

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Deficiencies exist in the areas of protection of corridor walls, lack of effective smoke partitions which can provide adequate compartmentalization of fire zones, inadequate protection of hazardous areas, insufficient exit capacity on patient sleeping room floors because of the lack of horizontal exits, lack of 2-hour separation in a path of egress with an interior stair and between the old hospital and the clinic addition, and an inadequate fire alarm system. The existing clinic corridors are not large enough to adequately accommodate physically handicapped patients. The fire alarm system does not comply with NFPA Life Safety Code. HVAC systems in patient care, ancillary and administrative support areas have problems that will require extensive maintenance and repair. There are neither oxygen nor vacuum outlets in acute care wards. The central oxygen tank for OR and ICU has extensive corrosion. Presently, smoke detector controls are on fire doors only. These smoke detectors are not connected to the fire alarm system, nor do they alert the fire station. Elevators are not in compliance with building codes.

IMPACT IF NOT PROVIDED: The quality of care to patients as well as staff effectiveness and efficiency will continue to be compromised in a facility that is space-deficient and unsafe. It will not meet current Life Safety Code and does not comply with current JCAHO requirements.

ADDITIONAL: An economic analysis is not required for this project. All potential alternatives were examined in the development of the project and none were found to be feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date	OCT 88
(b) Percent Complete As Of 01 January 90 (BDGT YR)	85
(c) Percent Complete As Of 01 October 90 (PROG YR)	100
(d) Design Complete Date	SEP 90

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ______

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	130
(b) All Other Design Costs	158
(c) Total Cost	288
(d) Contract	240
(e) In-house	48

DD FORM 1 DEC 76 1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Fort Lee, Virginia		
4. PROJECT TITLE Hospital Life Safety Upgrade		5. PROJECT NUMBER 22592

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... DEC 90 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
MEDICAL EQUIPMENT	OPA	91	37
		TOTAL	37

DD FORM 1 DEC 76 1391C

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Portsmouth Naval Hospital Virginia	4. COMMAND Naval Medical Command Mid Atlantic Region	5. AREA CONSTRUCTION COST INDEX .92

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	689	1293	569	35	200	0	19859	79436	18750	120,831
B. END FY 95	716	716	1293	548	35	200	0	21617	86471	111,596

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 111 AC
B. INVENTORY TOTAL AS OF 30 SEP 89...................................... 8,500
C. AUTHORIZATION NOT YET IN INVENTORY.................................... 0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM............................... 40,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM............................ 44,000
F. PLANNED IN NEXT THREE YEARS... 211,000
G. REMAINING DEFICIENCY.. 0
H. GRAND TOTAL... 303,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE		COST ($000)	DESIGN STATUS START	COMPLETE
510	25824	Hospital Replacement Phase II		40,000	03/89	09/90
		SUBTOTAL PROJECTS OVER $1M		40,000		
			TOTAL	40,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE		COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) :			
510	Hospital Replacement Phase III		44,000
	SUBTOTAL PROJECTS OVER $1M		44,000
		TOTAL	44,000
B. PLANNED NEXT THREE PROGRAM YEARS :			
510	Hospital Replacement Phase IV/V/VI		211,000
	SUBTOTAL PROJECTS OVER $1M		211,000
		TOTAL	211,000

10. MISSION OR MAJOR FUNCTIONS:

Provide a comprehensive range of emergency, outpatient, and inpatient health care services to active duty Navy and Marine Corps personnel, and active duty members of other Federal Uniformed Services. Ensure that all assigned military personnel are properly trained for the performance of their assigned, contingency, and wartime duties. Conduct appropriate education programs for Naval Medical students and Medical Department officers.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90

INSTALLATION AND LOCATION: Portsmouth Naval Hospital Virginia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

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1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Portsmouth Naval Hospital, Virginia	4.PROJECT TITLE Hospital Replacement Phase II

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 510	7.PROJECT NUMBER 25824	8.PROJECT COST ($000) Auth 0 Approp 40,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				29,254
Parking Structure	SF	730,000	27.00	(19,710)
Clinical Investigations	SF	16,554	156.50	(2,591)
Public Works/Admin/Storage	SF	31,340	99.00	(3,103)
Addition to Bldgs 249/250	LS	-	-	(850)
Gymnasium	LS	-	-	(3,000)
Supporting Facilities				6,450
Electric Service	LS	-	-	(1,500)
Water, Sewer & Gas	LS	-	-	(950)
Paving, Walks, Curbs & Gutters	LS	-	-	(500)
Site Improvement	LS	-	-	(2,500)
Information Systems	LS	-	-	(500)
Asbestos Removal	LS	-	-	(500)
Subtotal				35,704
Contingency (5.00%)				1,785
Total Contract Cost				37,489
Supervision, Inspection & Overhead (6.00%)				2,249
Category 'E' Equipment				0
Total Request				39,738
Total Request (Rounded)				40,000
Installed Equipment - Other Appropriations				(6,588)

10.Description of Proposed Construction This project provides the second increment of $40 million for the replacement of Portsmouth Naval Hospital. Authorization of this multi-year phased project is included in Title IV of the FY 1990 Military Construction Authorization Act for $330 million including authority to contract in advance of appropriations. This includes the construction of replacement facilities for those displaced by the new 462 bed acute care facility, and supporting utility systems. Constructs an acute care facility with concrete and pile foundations, masonry walls, built up roofing and includes building demolition. Operating systems manuals will be provided. This project is in compliance with criteria prescribed by DoD Construction Manual 4270.1-M. Accessibility for the handicapped will be in compliance with the Uniform Federal Accessibility Standards.

11. REQUIREMENT: 1,276,859 SF ADEQUATE: None SUBSTANDARD: 639,940 SF

PROJECT: Provides necessary utilities replacement, site improvements and building demolition to support displaced medical/other personnel to accommodate construction of the replacement hospital and other facilities. (CURRENT MISSION)

REQUIREMENT: Adequate medical treatment for active duty military, their

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1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION

Portsmouth Naval Hospital, Virginia

4. PROJECT TITLE Hospital Replacement Phase II	5. PROJECT NUMBER 25824

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued)
dependents, and retired military in the Tidewater area.

CURRENT SITUATION: Health care delivery under deplorable conditions in old facilities, some 150 years old, dysfunctional arrangement in an elevator dependent facility, Life Safety violations which threaten JCAHO accreditation.

IMPACT IF NOT PROVIDED: The hospital will continue to provide medical care in an inadequate facility with detrimental effects on the health care, welfare and and morale of both the military and civilian personnel served in the Tidewater area.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date	MAR 89
(b) Percent Complete As Of 01 January 90 (BDGT YR)	40
(c) Percent Complete As Of 01 October 90 (PROG YR)	100
(d) Design Complete Date	SEP 90

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ___

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	1,420
(b) All Other Design Costs	475
(c) Total Cost	1,895
(d) Contract	1,520
(e) In-house	375

(4) Construction Start .... JAN 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
INVESTMENT	OPN	91	978
INVESTMENT	OPN	92	1000
EXPENSE	OMN	91	2300
EXPENSE	OMN	92	2310
		TOTAL	6,588

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Quantico Marine Corps Base Virginia	4. COMMAND NAVAL MEDICAL COMMAND MID ATLANTIC DIVISION	5. AREA CONSTRUCTION COST INDEX .96

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	5	32	0	3000	12000	0	3000	12000	0	30,037
B. END FY 95	5	32	0	3000	12000	0	3000	12000	0	30,037

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	2,450
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	0
F. PLANNED IN NEXT THREE YEARS....................................	0
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	2,450

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	25837	OCS Troop Medical Clinic	2,450	11/87	10/90
		SUBTOTAL PROJECTS OVER $1M	2,450		
		TOTAL	2,450		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

Provide general medical clinical (outpatient) services primarily for staff and officer candidates of the U.S. Marine Corps Officer Candidates School, Quantico, VA.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT DEF (DMFO)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Quantico Marine Corps Base, Virginia	4. PROJECT TITLE Troop Medical Clinic Replacement

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 550	7. PROJECT NUMBER 25837	8. PROJECT COST ($000) Auth 2,450 Approp 2,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,739
Medical Clinic	SF	14,691	115.00	(1,689)
Ambulance Shelter	SF	1,000	50.00	(50)
Supporting Facilities				350
Electric Service	LS	-	-	(170)
Paving, Walks, Curbs & Gutters	LS	-	-	(90)
Site Improvement	LS	-	-	(90)
Subtotal				2,089
Contingency (5.00%)				104
Total Contract Cost				2,193
Supervision, Inspection & Overhead (6.00%)				132
Category 'E' Equipment				135
Total Request				2,460
Total Request (Rounded)				2,450
Installed Equipment - Other Appropriations				(134)

10. Description of Proposed Construction Construct a building with concrete foundation walls on spread footings, brick-faced CMU exterior walls, concrete slab on grade, metal roof deck with built-up roofing, interior walls on masonry, metal studs, and gypsum, fire sprinkler and alarm. Facility will conform with Uniform Federal Accessibility Standards. Facility is designed within criteria prescribed by DoD Construction Manual 4270.1-M. Operating systems manuals will be provided. Air conditioning is required.

11. REQUIREMENT: 15,691 SF ADEQUATE: None SUBSTANDARD: 2,370 SF

PROJECT: Construct a new troop medical clinic at the Officer Candidates School, Marine Corps Development and Education Command. (CURRENT MISSION)

REQUIREMENT: Officer Candidates School (OCS) requires a facility to provide adequate emergency treatment and outpatient services. The proposed clinic will provide activities related to the health of the personnel. Services such as examinations, immunizations, physical therapy, medical administration, and preventive medicine services necessary to support the OCS mission of training, motivating, and evaluating Officer Candidates. With the consolidation of all OCS activities at the Brown Field complex in FY 1988, these requirements will be greatly enhanced.

CURRENT SITUATION: The existing OCS medical facility was constructed in

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1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Quantico Marine Corps Base, Virginia		
4. PROJECT TITLE Troop Medical Clinic Replacement		5. PROJECT NUMBER 25837

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
1944 as a Bachelor Enlisted Quarters (BEQ), and is co-located with a Chapel and administrative offices. The facility is in need of extensive repairs and renovations to relieve the severe overcrowding. The facility lacks sufficient space and environmental (HVAC) conditions to provide necessary health services.

IMPACT IF NOT PROVIDED: The installation will continue to provide medical care in a facility that is inadequate. This will also impact on the morale of patients and the staff.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Design Start Date .... NOV 87
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 45
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(d) Design Complete Date .... OCT 90

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 149
(b) All Other Design Costs 81
(c) Total Cost 230
(d) Contract 215
(e) In-house 15

(4) Construction Start .... JAN 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
INVESTMENT	OPN	91	40
EXPENSE	OMN	91	94
		TOTAL	134

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1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Germany Various Germany	4. COMMAND US Army Europe and Seventh Army	5. AREA CONSTRUCTION COST INDEX 1.15

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	18544	71548	67124	0	0	0	0	0	0	157,216
B. END FY 95	18655	71934	67259	0	0	0	0	0	0	157,848

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 0 AC

B. INVENTORY TOTAL AS OF 30 SEP 89....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	10,800
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	30,200
F. PLANNED IN NEXT THREE YEARS....................................	0
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	41,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
550	13099	Medical/Dental Clinic Replacement	5,800	02/89	12/90
550	10813	Medical/Dental Clinic Replacement	5,000	09/88	12/90
		SUBTOTAL PROJECTS OVER $1M	10,800		
		TOTAL	10,800		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) :		
510	Hospital Replacement-Stuttgart	23,000
550	Medical/Dental Clinic-Gelnhausen	3,400
550	Medical/Dental Clinic-Giebelstadt	3,800
	SUBTOTAL PROJECTS OVER $1M	30,200
	TOTAL	30,200

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

Support of US Army, Europe and Seventh Army.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	0

1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90

INSTALLATION AND LOCATION: Germany Various Germany

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Ray Barracks Giessen, Germany	4. PROJECT TITLE Dispensary/Dental Clinic Replacement

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 550	7. PROJECT NUMBER 10813	8. PROJECT COST ($000) Auth 5,000 Approp 5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,683
Dispensary/Dental Clinic	SF	22,537	160.00	(3,606)
Ambulance Garage	SF	960	80.00	(77)
Supporting Facilities				634
Electric Service	LS	-	-	(70)
Water, Sewer & Gas	LS	-	-	(26)
Steam, Chilled Water & Heat Distribution	LS	-	-	(29)
Paving, Walks, Curbs & Gutters	LS	-	-	(191)
Storm Drainage	LS	-	-	(100)
Site Improvement	LS	-	-	(151)
Information Systems	LS	-	-	(67)
Subtotal				4,317
Contingency (5.00%)				216
Total Contract Cost				4,533
Supervision, Inspection & Overhead (6.50%)				295
Category 'E' Equipment				176
Total Request				5,004
Total Request (Rounded)				5,000
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a new dispensary and dental clinic of permanent, fire resistant construction, complete with laboratories, examination and treatment rooms, dental operatories, pharmacy, administrative and service support areas. Provide required utilities, site improvements, parking areas, site work, communications, operating systems manuals, fire protection and heating systems. Provide two stall ambulance shelter. Accessibility for the handicapped will be provided in accordance with the Uniform Federal Accessibility Standards. The facility design is within criteria prescribed by DoD Construction Manual 4270.1-M. This project will include demolition of Building 3632 (9,228 SF). Air Conditioning: 50 Tons.

11. REQUIREMENT: 23,470 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a new consolidated dispensary and dental clinic at Ray Barracks, Friedberg, GE. (CURRENT MISSION)

REQUIREMENT: The project is required to provide a complete and full range of outpatient medical and dental services to the beneficiaries of the Friedberg community.

CURRENT SITUATION: The dispensary and dental clinic are currently housed in Building 3622, constructed in 1936 as a barracks. The clinics are located on the first and third floors, between troop billeting floors. The physical

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Ray Barracks, Giessen, Germany		
4.PROJECT TITLE Dispensary/Dental Clinic Replacement		5.PROJECT NUMBER 10813

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
layout of the facility does not lend itself to the delivery of modern health care, resulting in inefficient staff and patient flow. The lack of space to provide patient examinations, dental treatment, specialty services and clinical support has resulted in overcrowding and staff ineffectiveness. This facility does not meet minimum fire, life and safety standards for ventilation, handicapped access or emergency egress. Utility systems are inadequate to support modern medical and dental equipment requirements. Upon project completion, Building 3622 will convert to all troop billeting.

IMPACT IF NOT PROVIDED: The dispensary will continue to provide medical/dental services from an inadequate facility.

ADDITIONAL: This project is not eligible for NATO Infrastructure funding.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date .... SEP 88
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 60
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(d) Design Complete Date .... DEC 90

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 184
(b) All Other Design Costs 224
(c) Total Cost 408
(d) Contract 340
(e) In-house 68

(4) Construction Start .... MAR 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
MEDICAL EQUIPMENT	OPA	91	812
		TOTAL	812

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Ferris Barracks Nuernberg, Germany	4. PROJECT TITLE Dispensary/Dental Clinic Replacement

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 550	7. PROJECT NUMBER 13099	8. PROJECT COST ($000) Auth 5,800 Approp 5,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,093
Dispensary/Dental Clinic	SF	23,483	165.00	(3,875)
Ambulance Garage	SF	960	71.00	(68)
Information Systems	LS	-	-	(150)
Supporting Facilities				970
Electric Service	LS	-	-	(77)
Water, Sewer & Gas	LS	-	-	(75)
Steam, Chilled Water & Heat Distribution	LS	-	-	(304)
Paving, Walks, Curbs & Gutters	LS	-	-	(251)
Storm Drainage	LS	-	-	(45)
Site Improvement (101) Demolition (11)	LS	-	-	(112)
Information Systems	LS	-	-	(106)
Subtotal				5,063
Contingency (5.00%)				253
Total Contract Cost				5,316
Supervision, Inspection & Overhead (6.50%)				346
Category 'E' Equipment				88
Total Request				5,750
Total Request (Rounded)				5,800
Installed Equipment - Other Appropriations				(944)

10. Description of Proposed Construction Construct a community health and dental clinic of permanent, fire resistant construction, complete with laboratories, examination and treatment rooms, dental operatories, pharmacy, administrative and service support areas. Provide required electrical, mechanical services, access, parking areas, paving, walks, curbs, gutters, site work, storm drainage, required utilities services, medical/dental telecommunications systems, so as to comply with legal and professional accreditation and fire, life and safety standards and operation manuals. Provide two stall ambulance garage with required utilities. Design will be in accordance with DOD Manual 4270.1-M as well as current energy conservation policies and regulations. Facility shall be designed to fully comply with the Uniform Federal Accessibility Standards. This project includes demolition of one facility. Air Conditioning : 50 Tons.

11. REQUIREMENT: 23,608 SF ADEQUATE: None SUBSTANDARD: 15,000 SF

PROJECT: Construction of a consolidated Health and Dental Clinic at Ferris Barracks, Erlangen. (CURRENT MISSION)

REQUIREMENT: This project is required to provide a facility which will deliver a complete and full range of outpatient medical and dental services. This facility will replace an outdated dispensary and temporary dental clinic

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Ferris Barracks, Nuernberg, Germany		
4. PROJECT TITLE Dispensary/Dental Clinic Replacement		5. PROJECT NUMBER 13099

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued)
building at Ferris Barracks and will also support a 7,996 acre local training area which has several small arms ranges and manuever areas.

CURRENT SITUATION: The present health clinic is a partial occupant of a World War I headquarters building. The lack of space to provide patient screening and examinations, specialty services, and clinical support has resulted in overcrowding and staff inefficiencies. Additionally, this facility has poor accessibility for patient and emergency vehicles. The dental clinic occupies a temporary corrugated steel building completed in 1977. This facility has exceeded the ten year life expectancy for its facility type. Continuous maintenance problems exist with the electrical and plumbing systems. The lack of space for clinic support functions limits the effectiveness of the staff.

IMPACT IF NOT PROVIDED: The clinic will continue to provide medical/dental services from inadequate facilities.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for commom funding nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
- A. Estimated Design Data:
  - (1) Status:
    - (a) Design Start Date .... FEB 89
    - (b) Percent Complete As Of 01 January 90 (BDGT YR)...... 65
    - (c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
    - (d) Design Complete Date .... DEC 90
  - (2) Basis:
    - (a) Standard or Definitive Design - Yes ___ No X
    - (b) Where Design Was Most Recently Used ______________
  - (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    - (a) Production of Plans and Specifications 257
    - (b) All Other Design Costs 313
    - (c) Total Cost 570
    - (d) Contract 475
    - (e) In-house 95
  - (4) Construction Start .... MAR 91 (month & year)

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1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION

Ferris Barracks, Nuernberg, Germany

4. PROJECT TITLE

Dispensary/Dental Clinic Replacement

5. PROJECT NUMBER

13099

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
MEDICAL EQUIPMENT	OPA	91	944
		TOTAL	944

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Rhein-Main Air Base Germany	4. COMMAND Military Airlift Command	5. AREA CONSTRUCTION COST INDEX 1.18

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	0	0	0	0	0	0	0	0	0	0
B. END FY 95	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89..................................	0
C. AUTHORIZATION NOT YET IN INVENTORY................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM...........................	870
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM........................	0
F. PLANNED IN NEXT THREE YEARS..	0
G. REMAINING DEFICIENCY...	0
H. GRAND TOTAL..	870

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	27206	AEROMEDEVAC Logistics Facility	870	10/88	07/90
		SUBTOTAL PROJECTS $1M & LESS	870		
		TOTAL	870		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

This base supports a tactical airlift wing, an aeromedical airlift squadron, a tactical airlift squadron, a special operations squadron, a facility checking squadron, a Communications Command Information Systems group and an aerial port squadron. This base is the principle embarkation/debarkation point for aircraft arriving to and departing West Germany for the United States.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Rhein-Main Air Base, Germany	4.PROJECT TITLE AEROVAC Logistics Facility

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 510	7.PROJECT NUMBER 27206	8.PROJECT COST ($000) Auth 870 Approp 870

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				727
Warehouse/Patient Hold Facility	SF	8,400	86.60	(727)
Supporting Facilities				124
Electric Service	LS	-	-	(19)
Water, Sewer & Gas	LS	-	-	(52)
Paving, Walks, Curbs & Gutters	LS	-	-	(24)
Site Improvement	LS	-	-	(19)
Information Systems	LS	-	-	(10)
Subtotal				851
Contingency (5.00%)				43
Total Contract Cost				894
Supervision, Inspection & Overhead (6.50%)				58
Category 'E' Equipment				0
Total Request				952
Total Request (Rounded)				950
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Reinforced concrete foundation and floor slab, single story, incorporating clear span design, environmental control system, fire sprinklering, fire protection and security alarms, pallet racking system, and all necessary utilities and support. Includes bulk storage area, packaging space, administrative space, mechanical rooms, patient holding area, pallet breakdown area, and paved open storage. Accessibility for the handicapped will be in compliance with the Uniform Federal Accessibility Standards. This project is in compliance with criteria prescribed by DOD Construction Manual 4270.1-M. Operating systems manuals will be provided. criteria prescribed by DoD Construction Manual 4270.1-M. Operating systems manuals will be provided.

11. REQUIREMENT: 8,400 SF ADEQUATE: None SUBSTANDARD: 6,192 SF

PROJECT: Construct medical warehouse and patient holding facility.(CURRENT MISSION)

REQUIREMENT: Warehouse/patient holding/administrative facility having 19 ft clear stacking height in warehouse to accommodate pallet racking system. Storage area for 17-20 cargo pallets (9'x 8'x 8'), operational supplies (bandages, sterile kits, linen, blankets), and equipment (infant transport units, IV pumps, cardiac monitor). A patient holding area sized to

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Rhein-Main Air Base, Germany		
4. PROJECT TITLE AEROVAC Logistics Facility		5. PROJECT NUMBER 27206

11. REQUIREMENT: (Continued)
REQUIREMENT: (Continued)
accommodate 20 litter and 60 ambulatory patients with handicapped toilet facilities. Patient holding area has dual function as pallet breakdown area.
CURRENT SITUATION: Currently medical equipment and supplies valued in excess of $1 million are stored in a 1948 dilapidated wood frame structure. The deteriorated condition of the facility has compromised security and condition of stored equipment, and inhibits efficient materials movement during both peacetime and contingency operations delaying aircraft response times. The Second Aeromedical Evacuation Squadron's mission is the movement of patients intra/inter theater involving C-141, C-130, and C-9 aircraft. Equipment is also stored for the Air Force's Flying Ambulance Surgical Trauma (FAST) and the Army's Emergency Treatment and Stabilization Teams. In addition, the squadron has no patient holding facilities when aircraft departures are delayed. No dressing rooms or handicapped toilets are available.
IMPACT IF NOT PROVIDED: The storage and patient holding functions of this unit are essential elements for mission accomplishment. The facility's inefficient layout will continue to delay the dispatch of pallets to aircraft providing emergency medical service in trouble spots in the Middle East, Africa, and Europe. In absence of a consolidated pallet storage facility, the Army and Air Force will continue to inefficiently store assets at two separate locations in an unplanned, fragmented approach to storage.
ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding nor is it expected to become eligible.
This project is not eligible for NATO Infrastructure funding.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:

(a) Design Start Date	OCT 88
(b) Percent Complete As Of 01 January 90 (BDGT YR)	35
(c) Percent Complete As Of 01 October 90 (PROG YR)	100
(d) Design Complete Date	JUL 90

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ______

(3) Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a) Production of Plans and Specifications	65
(b) All Other Design Costs	70
(c) Total Cost	135
(d) Contract	100
(e) In-house	35

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Rhein-Main Air Base, Germany		
4. PROJECT TITLE AEROVAC Logistics Facility		5. PROJECT NUMBER 27206

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... JAN 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

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PAGE NO.

1. COMPONENT DEF (IMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Aviano Air Base Italy	4. COMMAND US Air Forces Europe	5. AREA CONSTRUCTION COST INDEX 1.15

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	0	0	0	0	0	0	0	0	0	0
B. END FY 95	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89......................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM...............................	1,100
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM...........................	0
F. PLANNED IN NEXT THREE YEARS...	0
G. REMAINING DEFICIENCY..	0
H. GRAND TOTAL..........	1,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	25392	Medical Logistics Facility	1,100	03/88	08/90
		SUBTOTAL PROJECTS OVER $1M	1,100		
		TOTAL	1,100		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS : NONE		

10. MISSION OR MAJOR FUNCTIONS:

A Tactical Group Headquarters. Provides management, command control and direction for USAFE units assigned and supports aircraft deployed on a rotational basis. Provides support to communication sites throughout Italy.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

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1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Aviano Air Base, Italy	4.PROJECT TITLE Second Echelon Medical Logistics Fac

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 510	7.PROJECT NUMBER 25392	8.PROJECT COST ($000) Auth 1,100 Approp 1,100

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				859
Second Echelon Medical Logistics	SF	16,517	52.00	(859)
Supporting Facilities				120
Electric Service	LS	-	-	(89)
Paving, Walks, Curbs & Gutters	LS	-	-	(22)
Site Improvement	LS	-	-	(9)
Subtotal				979
Contingency (5.00%)				49
Total Contract Cost				1,028
Supervision, Inspection & Overhead (6.50%)				67
Category 'E' Equipment				0
Total Request				1,095
Total Request (Rounded)				1,100
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Reinforced concrete foundation and floor slab, single-story, pre- engineered metal building with 15 foot clear stacking height, heating and ventilation systems, fire protection, and all necessary utilities and support. Includes bulk storage area, packaging space, administrative office, mechanical rooms and paved open storage. This project is designed within criteria prescribed in DOD Construction Manual 4270.1M.

11. REQUIREMENT: 16,500 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a second echelon medical logistics storage facility for storage of medical War Reserve Materiel (WRM) assets. (NEW MISSION)

REQUIREMENT: A facility to provide storage for second echelon medical WRM assets which will be used to treat contingency casualties at Aviano Air Base.

CURRENT SITUATION: Current base storage facilities are not sufficient to accommodate second echelon medical storage requirements and cannot support this WRM mission. Procurement of medical WRM assets has been approved and funded. This medical materiel is required to be prepositioned to treat contingency casualties and cannot be delayed. Medical capability at this base is inadequate without these assets to meet the projected casualty demand. The only available means of providing the required storage is to construct a new facility.

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1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Aviano Air Base, Italy		
4. PROJECT TITLE Second Echelon Medical Logistics Fac		5. PROJECT NUMBER 25392

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Failure to fund this project will adversely affect the immediate life saving treatment of contingency casualties by delaying this capability at base level.
ADDITIONAL: This project is not presently eligible for NATO funding. Eligibility is being pursued and a precautionary prefinancing statement will be rendered prior to construction to ensure costs for any NATO eligible scope can be recouped.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date .... MAR 88
(b) Percent Complete As Of 01 January 90 (BDGT YR)....... 60
(c) Percent Complete As Of 01 October 90 (PROG YR)....... 100
(d) Design Complete Date .... AUG 90

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used San Vito AS, Italy

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 60
(b) All Other Design Costs 72
(c) Total Cost 132
(d) Contract 110
(e) In-house 22

(4) Construction Start .... FEB 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Italy Various Italy	4. COMMAND US Army Europe and Seventh Army	5. AREA CONSTRUCTION COST INDEX 1.21

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	0	0	0	0	0	0	0	0	0	0
B. END FY 95	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE....	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	28,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	0
F. PLANNED IN NEXT THREE YEARS....................................	0
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	28,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510	14478	Hospital Replacement	28,000	11/86	10/89
		SUBTOTAL PROJECTS OVER $1M	28,000		
		TOTAL	28,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE	
B.	PLANNED NEXT THREE PROGRAM YEARS : NONE	

10. MISSION OR MAJOR FUNCTIONS:

The mission of the United States Army Hospital at Camp Ederle Vicenza, Italy is to support troop concentrations in Northern Italy

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Camp Ederle Vicenza, Italy	4. PROJECT TITLE Hospital Replacement

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 510	7. PROJECT NUMBER 14478	8. PROJECT COST ($000) Auth 28,000 Approp 28,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				19,900
Hospital	SF	150,314	130.00	(19,541)
Ambulance Garage	SF	480	69.00	(33)
Central Energy Plant	LS	-	-	(326)
Supporting Facilities				3,805
Electric Service	LS	-	-	(358)
Water, Sewer & Gas	LS	-	-	(283)
Steam, Chilled Water & Heat Distribution	LS	-	-	(750)
Paving, Walks, Curbs & Gutters	LS	-	-	(294)
Storm Drainage	LS	-	-	(326)
Site Improvement	LS	-	-	(650)
Special Construction	LS	-	-	(1,144)
Subtotal				23,705
Contingency (5.00%)				1,185
Total Contract Cost				24,890
Supervision, Inspection & Overhead (6.50%)				1,618
Category 'E' Equipment				1,500
Total Request				28,008
Total Request (Rounded)				28,000
Installed Equipment - Other Appropriations				(7,121)

10. Description of Proposed Construction Construct a 30-bed replacement hospital building to include all administrative, logistical, inpatient and outpatient service support areas, and a dental clinic. The project also includes utilities services, emergency generators, communications, fire protection, storm drainage, operational concept manuals and site improvements. The facility is designed within criteria prescribed in DoD Construction Manual 4270.1-M. Accessibility for the handicapped will be provided in compliance with Uniform Federal Accessibility Standards.

11. REQUIREMENT: 150,314 SF ADEQUATE: None SUBSTANDARD: 50,857 SF

PROJECT: Construction of a community hospital to replace the existing hospital facility in the U.S. military community at Vicenza, Italy. (Current Mission).

REQUIREMENT: Vicenza is tasked with logistical support for troops stationed in northern Italy, Turkey and Greece. The conversion of the 45th Field Hospital in Livorno, Italy to a clinic has increased Vicenza's surgical responsibility.

CURRENT SITUATION: Patient safety is severely compromised because the 1958 structure is deficient in Life Safety features. Growth of direct patient care and treatment zones has resulted in a significant lack of adequate space in

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Camp Ederle, Vicenza, Italy	
4.PROJECT TITLE Hospital Replacement	5.PROJECT NUMBER 14478

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
all areas of the facility. The logistics function is located several blocks away from the hospital. In its present condition, this facility cannot meet the standards of the Joint Commission on Accreditation of Healthcare Organizations. There is not one public toilet which is accessible to the handicapped.
IMPACT IF NOT PROVIDED: The facility will continue to fail to meet minimum health and safety codes, and construction, sanitation and safety standards of Joint Commission on Accreditation of Hospitals.
ADDITIONAL: An economic analysis is not necessary for this project. All potential alternatives were examined in the development of the project and none were found to be feasible. This project is not eligible for NATO funding.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date	NOV 86
(b) Percent Complete As Of 01 January 90 (BDGT YR)	100
(c) Percent Complete As Of 01 October 90 (PROG YR)	100
(d) Design Complete Date	OCT 89

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ___

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	1,512
(b) All Other Design Costs	1,417
(c) Total Cost	2,929
(d) Contract	2,800
(e) In-house	129

(4) Construction Start .... JAN 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
MEDICAL EQUIPMENT	OPA	91	7121
		TOTAL	7,121

1. COMPONENT DEF (DMPO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Korea Various Korea	4. COMMAND Eighth United States Army	5. AREA CONSTRUCTION COST INDEX 1.02

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	0	0	0	0	0	0	0	0	0	0
B. END FY 95	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89......................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM...............................	1,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM...........................	910
F. PLANNED IN NEXT THREE YEARS..	6,050
G. REMAINING DEFICIENCY...	0
H. GRAND TOTAL..	7,960

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
550	24748	Troop Medical Clinic	1,000	11/88	08/90
		SUBTOTAL PROJECTS $1M & LESS	1,000		
		TOTAL	1,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS :		
550	MEDICAL/DENTAL CLINIC-CP HIALEH	3,850
550	MED/DENTAL CLN-CP PELHAM	2,200
	SUBTOTAL PROJECTS OVER $1M	6,050
	TOTAL	6,050

10. MISSION OR MAJOR FUNCTIONS:

TO CARRYOUT RESPONSIBILITY OF THE UNITED NATIONS COMMAND, U.S. FORCES, AND THE EIGHTH U.S. ARMY.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT		2.DATE
DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	08 JAN 90

3.INSTALLATION AND LOCATION	4.PROJECT TITLE
Camp Casey Eastern Corridor, Korea	Troop Medical Clinic Replacement

5.PROGRAM ELEMENT	6.CATEGORY CODE	7.PROJECT NUMBER	8.PROJECT COST ($000)
87717D	550	24748	Auth 1,000 Approp 1,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				707
Troop Aid Station	SF	5,655	125.00	(707)
Supporting Facilities				192
Electric Service	LS	–	–	(38)
Water, Sewer & Gas	LS	–	–	(21)
Paving, Walks, Curbs & Gutters	LS	–	–	(33)
Storm Drainage	LS	–	–	(22)
Site Improvement (27) Demolition (23)	LS		–	(50)
Information Systems	LS	–	–	(18)
Fuel Storage Tank	LS	–	–	(10)
Subtotal				899
Contingency (5.00%)				45
Total Contract Cost				944
Supervision, Inspection & Overhead (6.50%)				61
Category 'E' Equipment				0
Total Request				1,005
Total Request (Rounded)				1,000
Installed Equipment – Other Appropriations				(111)

10.Description of Proposed Construction Construct a troop aid station to support the 1/15 Field Artillery Battalion and 8/8 Field Artillery Battalion. Facility will include a laboratory, pharmacy, exam rooms, treatment rooms, storage, two organizational equipment (TOE) rooms for two units, classroom/lounge, screener rooms, and staff lockers. Supporting facilities include utilities, site improvements, parking, walks, storm drainage, fire protection, and communications. Heating and air conditioning will be by a self-contained unit. Air conditioning: 25 tons. This facility is designed within criteria prescribed by DoD Construction Manual 4270.1-M. Operating systems manuals will be provided.

11. REQUIREMENT: 5,537 SF ADEQUATE: None SUBSTANDARD: 7,147 SF

PROJECT: Construct a Troop Aid Station in support of the 8/8th FA, 1/15th FA and 2nd Infantry Division at Camp Casey, South Korea. (Current Mission).

REQUIREMENT: This project is required to provide a suitable facility for the provision of modern peacetime health care to soldiers of the 1/15th FA Bn and 8/8th FA Battalion stationed at Camp Casey. Certification from the Secretary of the Army gaining exception to policy within the radius of an ammunition storage area will be necessary prior to construction.

CURRENT SITUATION: Soldiers of the 1/15th FA Battalion and 8/8 FA Battalion

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Camp Casey, Eastern Corridor, Korea		
4. PROJECT TITLE Troop Medical Clinic Replacement		5. PROJECT NUMBER 24748

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
are receiving medical care in a facility that is over 20 years old and in extremely poor condition. This facility is a temporary quonset hut constructed during the period shortly after the end of the Korean War, and does not lend itself to providing quality medical care. The facility is overcrowded and offers limited privacy for examinations, lacks adequate storage space, and latrines are totally inadequate. Medical supplies are stored in another quonset hut which is also in poor physical condition. Due to lack of space there is no privacy for screening or examinations. The two FA Battalions are relocating from Camp Stanley into areas at Camp Casey where medical treatment facilities do not presently exist.

IMPACT IF NOT PROVIDED: If this project is not constructed, medical care will continue to be delivered in grossly inadequate facilities. High maintenance and repair cost, and excessive fuel consumption will continue to be incurred.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date	NOV 88
(b) Percent Complete As Of 01 January 90 (BDGT YR)	40
(c) Percent Complete As Of 01 October 90 (PROG YR)	100
(d) Design Complete Date	AUG 90

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	52
(b) All Other Design Costs	64
(c) Total Cost	116
(d) Contract	97
(e) In-house	19

(4) Construction Start .... NOV 90
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
MEDICAL EQUIPMENT	OPA	91	111
		TOTAL	111

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Kunsan Air Base Korea	4. COMMAND Pacific Air Forces	5. AREA CONSTRUCTION COST INDEX 1.00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	240	2672	14	0	0	0	0	0	0	2,926
B. END FY 95	239	2661	16	0	0	0	0	0	0	2,916

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 0 AC	
B. INVENTORY TOTAL AS OF 30 SEP 89..	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM................................	14,400
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM............................	0
F. PLANNED IN NEXT THREE YEARS..	0
G. REMAINING DEFICIENCY...	0
H. GRAND TOTAL..	14,400

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
510	25464	Hospital/Dental Clinic Replacement	14,400	02/88	09/90
		SUBTOTAL PROJECTS OVER $1M	14,400		
		TOTAL	14,400		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

A Tactical Fighter Wing with two F-16 squadrons.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Kunsan Air Base, Korea	4. PROJECT TITLE Hospital/Dental Clinic Replacement

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 510	7. PROJECT NUMBER 25464	8. PROJECT COST ($000) Auth 14,400 Approp 14,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				11,279
Composite Medical Facility	SF	69,841	161.50	(11,279)
Supporting Facilities				1,084
Electric Service	LS	-	-	(128)
Water, Sewer & Gas	LS	-	-	(48)
Paving, Walks, Curbs & Gutters	LS		-	(219)
Storm Drainage	LS		-	(45)
Site Improvement (324) Demolition (80)	LS	-	-	(404)
Information Systems	LS	-	-	(54)
Other	LS	-	-	(186)
Subtotal				12,363
Contingency (5.00%)				618
Total Contract Cost				12,981
Supervision, Inspection & Overhead (6.50%)				844
Category 'E' Equipment				500
Total Request				14,325
Total Request (Rounded)				14,400
Installed Equipment - Other Appropriations				(1,275)

10. Description of Proposed Construction Reinforced concrete foundation and floor slab, two-story, fire-resistant construction with all necessary support and including all information systems requirements and facility systems operating manuals. Functional areas include a 8-bed hospital with flexibility to expand to accommodate 112 inpatients using litters and stanchions during contingency operations, comprehensive outpatient clinics, emergency services, ancillary support, a 10-chair dental clinic, medical logistics, administrative and support areas. Facility will comply with Uniform Federal Accessibility Standards. Work will include demolition. Provides passive protection features for the lower floor. Operations and maintenance manuals to be provided. This project is designed within criteria prescribed in DoD Construction Manual 4270.1-M. Air Conditioning: 120 tons. Operations and manintenance manuals will be provided.

11. REQUIREMENT: 69,841 SF ADEQUATE: 4,500 SF SUBSTANDARD: 25,027 SF

PROJECT: Construct a replacement composite medical facility and dental clinic. (CURRENT MISSION)

REQUIREMENT: A medical/dental facility of sufficient size and efficient functional configuration is needed to replace the existiing inadequatae facilities to meet health care needs.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT DEF (DMPO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Kunsan Air Base, Korea		
4.PROJECT TITLE Hospital/Dental Clinic Replacement		5.PROJECT NUMBER 25464

11. REQUIREMENT: (Continued)

CURRENT SITUATION: The existing hospital is a hodge-podge mixture of six buildings. The main hospital was built in 1966 as an aid station. As the base mission expanded in size and importance, additions to the hospital were accomplished in 1973 and 1979. A war readiness materiel storage facility (4,500 SF) was built in 1985. The facility is grossly deficient in space in every department. Life safety code violations abound. The entire facility must be classified as unprotected, combustible construction which is non-conforming for medical facilities. The hospital has no expansion capacity for war.

IMPACT IF NOT PROVIDED: The quality of medical and dental care will continue to be degraded by operating in poorly configured, medically substandard, and critically undersized facilities. This station hospital, with the nearest referral support 175 miles distant or one and one-half hours by helicopter, cannot adequately fulfill its assigned peacetime mission. In the event of hostilities, lack of adequate passive protection will jeopardize this hospital's ability to provide life saving and life sustaining medical care.

ADDITIONAL: This project is not eligible for the Combined Defense Improvement Program nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date .... FEB 88
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 50
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(d) Design Complete Date .... SEP 90

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ___________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 605
(b) All Other Design Costs 739
(c) Total Cost 1,344
(d) Contract 1,120
(e) In-house 224

(4) Construction Start .... MAR 91
month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90
3. INSTALLATION AND LOCATION Kunsan Air Base, Korea		
4. PROJECT TITLE Hospital/Dental Clinic Replacement		5. PROJECT NUMBER 25464

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
INVESTMENT	3080	91	275
INVESTMENT	3080	92	200
EXPENSE	3400	91	400
EXPENSE	3400	92	400
		TOTAL	1,275

DD FORM 1 DEC 74 1391C

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Location 276 Turkey	4. COMMAND US Army Intelligence and Security Command O/S	5. AREA CONSTRUCTION COST INDEX * 1.00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	0	0	0	0	0	0	0	0	0	0
B. END FY 95	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89..	0
C. AUTHORIZATION NOT YET IN INVENTORY..	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..	1,750
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..	0
F. PLANNED IN NEXT THREE YEARS..	0
G. REMAINING DEFICIENCY..	0
H. GRAND TOTAL..	1,750

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
550	18297	Medical/Dental Clinic	1,750	01/89	07/90
		SUBTOTAL PROJECTS OVER $1M	1,750		
		TOTAL	1,750		

9. FUTURE PROJECTS:

CATEGORY CODE — PROJECT TITLE — COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

The mission of Location 276, an integral part of the worldwide U. S. communications network, is to provide rapid radio relay and secure communications for the defense of the U. S. and its allies. Additional functions include transmission security and research into electronic phenomenon.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION Location 276, Turkey	4. PROJECT TITLE Medical/Dental Clinic Replacement

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 550	7. PROJECT NUMBER 18297	8. PROJECT COST ($000) Auth 1,750 Approp 1,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,245
Medical/Dental Clinic	SF	10,427	115.00	(1,199)
Ambulance Shelter	SF	960	48.00	(46)
Supporting Facilities				210
Electric Service	LS	-	-	(33)
Water, Sewer & Gas	LS	-	-	(55)
Paving, Walks, Curbs & Gutters	LS	-	-	(28)
Storm Drainage	LS	-	-	(33)
Site Improvement	LS	-	-	(43)
Information Systems	LS	-	-	(18)
Subtotal				1,455
Contingency (5.00%)				73
Total Contract Cost				1,528
Supervision, Inspection & Overhead (6.50%)				99
Category 'E' Equipment				110
Total Request				1,737
Total Request (Rounded)				1,750
Installed Equipment - Other Appropriations				(278)

10. Description of Proposed Construction Construct a new Medical/Dental Clinic with a 2 vehicle ambulance shelter. Two holding beds will be included in the facility. The facility shall comply with the Uniform Federal Accessibility Standards. Facility design is within criteria prescribed by DoD Construction Manual 4270.1-M. Operating systems manuals will be provided. Air conditioning is required.

11. REQUIREMENT: 11,387 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a new Medical/Dental Clinic, at USAFS Sinop, Turkey. (CURRENT MISSION)

REQUIREMENT: This project is required to provide adequate facilities for the delivery of health care to active duty and other beneficiaries. This project will replace grossly inadequate facilities currently being used to provide care to a population of approximately 1,000 located at Sinop, Turkey.

CURRENT SITUATION: The existing facility of 3,109 square feet was originally constructed in 1962 for an installation population of 200. This facility is totally inadequate in supporting the current patient population of 1,000 due to: insufficient space in which to conduct medical and dental procedures, lack of essential utility systems, and deterioration due to age. The absence of proper environmental controls poses a significant risk of

DD 1 FORM DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90
3.INSTALLATION AND LOCATION Location 276, Turkey		
4.PROJECT TITLE Medical/Dental Clinic Replacement		5.PROJECT NUMBER 18297

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
infection to patients. No alternative facilities are available to support this installation. As civilian medical support in Sinop is extremely limited, the installation must rely upon this clinic for all of its immediate medical support. The nearest U.S.medical facility support is located over 500 miles away at U.S.Air Force Base Incirlik Turkey. Medical evacuation time is two hours by U.S.Army C-12 aircraft or 12 hours by vehicle. The field station must be able to treat emergencies and hold patients for up to three days pending availability of evacuation. The remoteness of this installation, and the inadequate condition of the existing facility mandates urgent construction of a replacement facility.
IMPACT IF NOT PROVIDED: The existing facility will continue to violate life safety standards set forth by the National Fire Protection Association and the Joint Commission on the Accredidation of Healthcare Organizations. The isolated field station population will continue to receive medical and dental care in a substandard facility.
ADDITIONAL: The existing facility has been evaluated for possible renovation and expansion to satisfy the requirements for a medical clinic at this installation. This alternative was found to be costly and too limited by space available in the existing building and nearby. The existing medical facility will be converted into an Audio-Visual Center for installation support. USAFS Sinop, Turkey is a dual service installation under Army control and is staffed by male and female soldiers, sailors, and civilian employees both Turkish and American. A Turkish military garrison is also supported by this installation. This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Design Start Date .... APR 89
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 65
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(d) Design Complete Date .... SEP 90

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ______________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 92
(b) All Other Design Costs 112
(c) Total Cost 204

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION

Location 276, Turkey

4. PROJECT TITLE Medical/Dental Clinic Replacement	5. PROJECT NUMBER 18297

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

	($000)
(3) Total Cost: (Continued)	
(d) Contract	170
(e) In-house	34
(4) Construction Start	DEC 90 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
MEDICAL EQUIPMENT	OPA	91	278
		TOTAL	278

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 08 JAN 90

3.INSTALLATION AND LOCATION Edzell Naval Sec Group Act, United Kingdom	4.PROJECT TITLE Medical/Dental Clinic Replacement

5.PROGRAM ELEMENT 87717D	6.CATEGORY CODE 550	7.PROJECT NUMBER 25853	8.PROJECT COST ($000) Auth 5,400 Approp 5,400

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,919
Medical/Dental Clinic	SF	17,037	230.00	(3,919)
Supporting Facilities				560
Water, Sewer & Gas	LS	-	-	(80)
Paving, Walks, Curbs & Gutters	LS	-	-	(160)
Site Improvement (160) Demolition (80)	LS	-	-	(240)
Asbestos Removal	LS	-	-	(80)
Subtotal				4,479
Contingency (5.00%)				224
Total Contract Cost				4,703
Supervision, Inspection & Overhead (6.00%)				282
Category 'E' Equipment				365
Total Request				5,350
Total Request (Rounded)				5,400
Installed Equipment - Other Appropriations				(3,300)

10.Description of Proposed Construction Single story permanent masonry construction with stucco exterior, concrete floor, site work and supporting utilities. Demolish existing clinic building and dispose of asbestos. Facility shall comply with the Uniform Federal Accessibility Standards. This project is designed within criteria prescribed in DoD Construction Manual 4270.1-M. Operating systems manuals will be provided. Air conditioning is required.

11. REQUIREMENT: 17,037 SF ADEQUATE: None SUBSTANDARD: 6,667 SF

PROJECT: Provides a new medical and dental facility.

REQUIREMENT: An adequately sized and complete medical and dental facility is essential to maintain the health and morale of the Navy, Air Force, and Army military and dependent population in this relatively remote area of Scotland. Present facilities do not meet criteria for the size of the current and projected population. It is not feasible to expand or modernize the present facility due to its age, location, and type of construction. Construction of a new medical and dental facility will substantially enhance the capability of providing optimum care at maximum convenience to patients while realizing savings inherent with a combined facility.

CURRENT SITUATION: Present medical and dental facilities are located in a building constructed during World War II as a temporary facility. The

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION

Edzell Naval Sec Group Act, United Kingdom

4. PROJECT TITLE Medical/Dental Clinic Replacement	5. PROJECT NUMBER 25853

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
building is poorly arranged, and lacks sufficient waiting room, administrative and storage space. The generally crowded conditions in all rooms create an environment where personnel perceive that medical care is inadequate. Facility conditions restrict the ability to function adequately within the facility.

IMPACT IF NOT PROVIDED: Continued use of a substandard facility will impact on morale, and require medical personnel to continue to function under less than optimum conditions.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date .... MAY 87
(b) Percent Complete As Of 01 January 90 (BDGT YR) 65
(c) Percent Complete As Of 01 October 90 (PROG YR) 100
(d) Design Complete Date .... OCT 90

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used ___________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications .... ______
(b) All Other Design Costs 580
(c) Total Cost 580
(d) Contract 580
(e) In-house .... ______

(4) Construction Start .... FEB 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT DEF (INFO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION RAF Lenark United Kingdom	4. COMMAND Bureau of Medicine and Surgery	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	0	0	0	0	0	0	0	0	0	0
B. END FY 95	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 89....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..............................	3,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM......	0
F. PLANNED IN NEXT THREE YEARS..	0
G. REMAINING DEFICIENCY...	0
H. GRAND TOTAL..	3,900

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
510	25820	Fleet Hospital Facility #14	3,900	03/88	06/89
		SUBTOTAL PROJECTS OVER $1M	3,900		
		TOTAL	3,900		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide a warehouse to store and activate a 500 bed communication zone fleet hospital.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

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1. COMPONENT DEF (DMFO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION RAF Lanark, United Kingdom	4. PROJECT TITLE Fleet Hospital Facility # 14

5. PROGRAM ELEMENT 87717D	6. CATEGORY CODE 510	7. PROJECT NUMBER 25820	8. PROJECT COST ($000) Auth 3,900 Approp 3,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,875
Warehouse W/Generator Building	SF	102,070	24.32	(2,482)
Existing Buildings Rehab	LS	-	-	(168)
Hardstands	SY	14,735	15.26	(225)
Supporting Facilities				632
Electric Service	LS	-	-	(116)
Paving, Walks, Curbs & Gutters	LS	-	-	(91)
Site Improvement (117) Demolition (38)	LS	-	-	(155)
Mechanical Utilities	LS	-	-	(270)
Subtotal				3,507
Contingency (5.00%)				175
Total Contract Cost				3,682
Supervision, Inspection & Overhead (6.00%)				221
Category 'E' Equipment				0
Total Request				3,903
Total Request (Rounded)				3,900
Installed Equipment - Other Appropriations				(28)

10. Description of Proposed Construction Construct a one-story, ward-convertible, high-bay controlled humidity/temperature warehouse on a suitable foundation; with a concrete floor slab and metal (concrete) frame, walls and roof; with dehumidification, air conditioning, ventilation, fire protection and utility systems as required; with a 3,000 cubic foot walk-in refrigerator; shop spaces with 60 hertz power for the care of supplies in storage; an intrusion detection system; a concrete container and vehicle storage apron and medical core hardstand with underground utilities, 60 hertz power, security lighting and fencing; and supporting facilities to store and activate a 500-Bed Communication Zone Fleet Hospital. This project is designed using criteria prescribed in DoD Construction Manual 4270.1-M. Operating systems manuals will be provided. This project is eligible for NATO conjunctive funding.

11. REQUIREMENT: 102,070 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Provide a warehouse to store and activate a 500-bed communication zone fleet hospital. (New Mission).

REQUIREMENT: Unified Commander operational plans and the Worldwide Medical Readiness Plan support the prepositioning of a strategically relocatable 500-bed communication zone contingency hospital at this location. A memorandum of understanding has been developed with the host nation supporting

1. COMPONENT DEF (DMPO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 08 JAN 90

3. INSTALLATION AND LOCATION

RAF Lanark, United Kingdom

4. PROJECT TITLE Fleet Hospital Facility # 14	5. PROJECT NUMBER 25820

11. REQUIREMENT: (Continued)
REQUIREMENT: (Continued)
this initiative and providing the site.

CURRENT SITUATION: There are an insufficient number of casualty contingency beds in this area.

IMPACT IF NOT PROVIDED: Contingency bed requirements will not be met. Inability to meet the requirement will mean increased mortality rates for combat troops. Casualties in combat or emergency operations will have to be evacuated to CONUS; thus depriving them of immediate care which will delay their return to active duty or jeopardize their lives.

ADDITIONAL: This project is not eligible for NATO funding. A precautionary prefinancing statement will be rendered prior to construction to ensure costs for any eligible scope can be recouped.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date	MAR 88
(b) Percent Complete As Of 01 January 90 (BDGT YR)	35
(c) Percent Complete As Of 01 October 90 (PROG YR)	100
(d) Design Complete Date	JUN 89

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ___

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications	822
(b) All Other Design Costs	
(c) Total Cost	822
(d) Contract	822
(e) In-house	0

(4) Construction Start JAN 91 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Investment	OPN	87	28100
		TOTAL	28,100

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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NEW MEXICO		
DEFENSE NUCLEAR AGENCY		
WHITE SANDS MISSILE RANGE		
LARGE BLAST/THERMAL SIMULATOR	64,800	
WHITE SANDS MISSILE RANGE		64,800

TOTALS	
ARMY	
NAVY	
AIR FORCE	
DEFENSE AGENCIES	64,800
INSIDE THE UNITED STATES	64,800

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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

      ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 10 JAN 1990
      SPECIFIED OUTSIDE THE UNITED STATES
              ($ THOUSANDS)
STATE/COMP./INSTALLATION                          PROJ COST        TOTAL
-------------------PROJECT NAME---------------  -----------  -----------
JOHNSTON ISLAND
  DEFENSE NUCLEAR AGENCY
    DNA HDQTRS FIELD COMMAND
     COMMUNITY SUPPORT COMPLEX                          4,145
     MAINTENANCE FACILITY PHASE I                       4,450
      DNA HDQTRS FIELD COMMAND                                       8,595


TOTALS
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  ARMY

  NAVY

  AIR FORCE

  DEFENSE AGENCIES                                                   8,595
                                                               -----------
  SPECIFIED OUTSIDE THE UNITED STATES                                8,595
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1. COMPONENT DNA	FY 1991/92 MILITARY CONSTRUCTION PROGRAM	2. DATE 8 JAN 90
3. INSTALLATION/LOCATION White Sands Missle Range New Mexico	4. COMMAND Defense Nuclear Agency	5. AREA CONST COST INDEX 1.00

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 Sep 88										
b. END FY 1991										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	N/A
b. INVENTORY TOTAL AS OF	N/A
c. AUTHORIZATION NOT YET IN INVENTORY	N/A
d. AUTHORIZATION REQUESTED IN PROGRAM	64,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	N/A
f. PLANNED IN NEXT THREE YEARS	N/A
g. REMAINING DEFICIENCY	N/A
h. GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPL
310	Large Blast Thermal Simulator, White Sands, NM	LS	64,800	8/89	10/90

9a. FUTURE PROJECTS-INCLUDED IN FOLLOWING PROGRAM

N/A

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1 DEC 76

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT DNA	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE 8 Jan 90

3. INSTALLATION AND LOCATION White Sands Missile Range New Mexico	4. COMMAND Defense Nuclear Agency	5. AREA CONSTRUCTION COST INDEX 1.00

9b. PLANNED NEXT THREE YEARS

None

10. MISSION OR MAJOR FUNCTIONS:

a. Consolidated Management of the DoD nuclear weapons stockpile.

b. Management of DoD nuclear weapons testing and effects research programs.

c. Provides staff advice and assistance on nuclear weapons matters to the Secretary of Defense, the military departments, the Joint Chiefs of Staff, other DoD components, and government agencies.

11. OUTSTANDING POLLUTION AND SAFETY (OSH) DEFICIENCIES: ($000)

a. Air pollution
b. Water pollution
c. Occupational Safety and Health

1. **COMPONENT** **DNA**	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. **DATE** 8 JAN 1990

3. **INSTALLATION AND LOCATION** White Sands Missile Range, N.M	4. **PROJECT TITLE** Large Blast/Thermal Simulator

5. **PROGRAM ELEMENT** 627156H	6. **CATEGORY CODE** 310-40	7. **PROJECT NUMBER** Unassigned	8. **PROJECT COST ($000)** $64,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Large Blast Thermal Simulator	EA			48,900
Operations Building				2,190
Diaphram Change Building				523
Supporting Facilities				6,876
Subtotal				58,489
Contingency (5%)				2,924
Subtotal				61,413
Supervision, Inspection & Overhead (5.5%)				3,378
Total Cost				64,791
TOTAL REQUEST				64,800

10. **DESCRIPTION OF PROPOSED CONSTRUCTION**

PROJECT: Construction of a Large Blast/Thermal Simulator consisting of a 275 meter long, 20 meter diameter reinforced concrete expansion tunnel, including a test section, steel driver tubes, driver gas supply system, concrete reaction pier, steel rarefaction wave eliminator and support facilities.

11. **REQUIREMENT**:

REQUIREMENT: 3,500 SM
ADEQUATE None
SUBSTANDARD: None

PROJECT: Construction of a Large Blast/Thermal Simulator to permit testing of full-scale military systems to blast and thermal effects.

REQUIREMENT: This project is required to test the vulnerability and survivability of full-sized weapons systems. The Large Blast/Thermal Simulator will be a tri-service test facility used to provide more realistic simulated nuclear blast/thermal effects on current and future weapons systems. There are currently over 200 DoD projects with established survivability criteria which present test capabilities cannot adequately support. The simulator will be used to test tactical systems, and components of strategic missile and ground based C3I systems, to a wide range of pressures and temperatures simulating battlefield conditions produced by nuclear weapons. The LB/TS will provide the capablility to test systems throughout their development and life cycle and permit the early detection and correction of deficiencies.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT **DNA**	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** **8 JAN 90**

3. INSTALLATION AND LOCATION
White Sands Missile Range (WSMR) New Mexico

4. PROJECT TITLE Large Blast/Thermal Simulator (LB/TS)	**5. PROJECT NUMBER** Unassigned

CURRENT SITUATION: The United States presently does not now have the capability to evaluate the survivability of full-scale military systems and their support equipments to the blast and thermal effects produced by nuclear weapons. A simulation facility is needed that permits full scale testing in a timely and economic manner. Current testing is limited to high explosive (HE) field tests which is not timely in that one test is conducted every two years. The LB/TS will allow timely evaluations at a permanent test facility, where the entire required range of expected blast and thermal environments can be repeatedly and frequently, created, controlled, and monitored. Its lifetime is projected to be 30 years.

IMPACT IF NOT PROVIDED: The United States will not be able to evaluate system vulnerability and survivability when required. Lack of timely and adequate testing can result in the development and deployment of systems that are vulnerable and may not survive predicted blast and thermal effects.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started.................. Aug 89
(b) Percent Complete As Of Jan 90......... 35%
(c) Percent Complete As Of Oct 90......... 100%
(d) Date Design Complete.................. Oct 90

(2) Basis:
(a) Standard or Definitive Design - YES___ NO X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a) + (b) and (d) + (e):
(a) Production of Plans and Specifications.. --
(b) All Other Design Costs.................. --
(c) Total.............................$9,600 M
(d) Contract..........................$9,600 M
(e) In-house.............................. --

(4) Construction Start .... Jan 91

1. **COMPONENT** **DNA**	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. **DATE** 8 Jan 90
3. **INSTALLATION AND LOCATION** White Sands Missile Range (WSMR) New Mexico		
4. **PROJECT TITLE** Large Blast/Thermal Simulator (LB/TS)		5. **PROJECT NUMBER** Unassigned

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
TEST EQUIPMENT	RDT&E	93	1,000

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. **COMPONENT** DNA	**FY 1991/92 MILITARY CONSTRUCTION PROGRAM**	2. **DATE** 8 JAN 90
3. **INSTALLATION/LOCATION** Defense Nuclear Agency Johnston Atoll	4. **COMMAND** Defense Nuclear Agency	5. **AREA CONST COST INDEX** 2.33

6. **PERSONNEL STRENGTH:**	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 Sep 88	5	11	0							16
b. END FY 1991	7	12	0							19

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	N/A
b. INVENTORY TOTAL AS OF	N/A
c. AUTHORIZATION NOT YET IN INVENTORY	N/A
d. AUTHORIZATION REQUESTED IN PROGRAM	8,295
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,500
f. PLANNED IN NEXT THREE YEARS	15,755
g. REMAINING DEFICIENCY	N/A
h. GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPL
214	Consolidated Maintenance Facility, Johnston Atoll (Phase I)	LS	4,450	9/88	5/90
740	Community Support Complex Johnston Atoll (Phase I)	LS	4,145	12/88	6/90

9a FUTURE PROJECTS-INCLUDED IN FOLLOWING PROGRAM (FY92)

162	Shoreline Protection, Phase II, Johnston Atoll	LS	4,500	9/89	5/91
720	Barracks Rehabilitation, Phase I, Johnston Atoll	LS	4,000	12/89	6/91

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DNA	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE 8 Jan 90

3. INSTALLATION AND LOCATION Defense Nuclear Agency Johnston Atoll	4. COMMAND Defense Nuclear Agency	5. AREA CONSTRUCTION COST INDEX 2.33

9b. PLANNED NEXT THREE YEARS

720	Barracks Rehabilitation, Phase II Johnston Atoll	LS	6,539
162	Seawall Construction, Phase III Johnston Atoll	LS	5,016
214	Maintenance Facility, Phase II Johnston Atoll	LS	4,475

10. MISSION OR MAJOR FUNCTIONS:

a. Consolidated Management of the DoD nuclear weapons stockpile.

b. Management of DoD nuclear weapons testing and effects research programs.

c. Provides staff advice and assistance on nuclear weapons matters to the Secretary of Defense, the military departments, the Joint Chiefs of Staff, other DoD components, and government agencies.

11. OUTSTANDING POLLUTION AND SAFETY (OSH) DEFICIENCIES: ($000)

a.	Air pollution	0
b.	Water pollution	0
c.	Occupational Safety and Health	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. **COMPONENT** **DNA**	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. **DATE** **8 JAN 90**

3. **INSTALLATION AND LOCATION** Johnston Island (U.S. Possession)	4. **PROJECT TITLE** Community Support Complex, Phase I

5. **PROGRAM ELEMENT** 35115H	6. **CATEGORY CODE** 740	7. **PROJECT NUMBER** Unassigned	8. **PROJECT COST ($000)** $4,145

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Community Support Complex	LS	16,000		3,739
General Construction				(3739)
Demolition				
Subtotal				3,739
Contingency (5%)				187
Subtotal				3,926
Supervision, Inspection, & Overhead (5.5%)				216
Total Cost				4,142
TOTAL REQUEST				**4,145**

10. **DESCRIPTION OF PROPOSED CONSTRUCTION**

PROJECT: Construct a single story steel-framed masonry,or precast concrete, slab - on - grade floor, built up architectural roof, fire protection systems, air conditioning and utilities accomplished in two phases.

11. **REQUIREMENT:**

REQUIREMENT: 32,000 SF
ADEQUATE: 0 SF
SUBSTANDARD: 16,000 SF

PROJECT: Construction of a new Community Support Complex, Phase I. (C)

REQUIREMENT: This project is required to centralize many of the various shops and services on Johnston Island to a location accessible to all Island personnel. The complex will provide a full spectrum of exchange goods and services, to include; base exchange, barber shop, recreation services office, post office, library, arts/crafts shop, audio and video recording studios, telephone exchange, and snack bar. This project will be accomplished in two phases.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. **COMPONENT** DNA	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. **DATE** 8 JAN 90

3. **INSTALLATION AND LOCATION**
Johnston Island (U.S. Possession)

4. **PROJECT TITLE** Community Support Complex, Phase I	5. **PROJECT NUMBER** Unassigned

CURRENT SITUATION: The Island's consumer shops are approximately half the DoD requirement and service areas are scattered in five different buildings. The existing shops and community service offices are inadequately sized, inappropriately located, in poor condition and require extensive repair. A support complex would improve Island resources, morale and productivity.

IMPACT IF NOT PROVIDED: If this project is not provided, the lack of adequate service facilities will impose hardships on Island personnel and have an adverse effect on morale at this austere remote base.

12. **SUPPLEMENTAL DATA:**

a. Estimated Design Data:

(1) Status:
(a) Date Design Started..................Dec 88
(b) Percent complete as of Jan 90.........35%
(c) Percent complete as of Oct 90.........100%
(d) Date design complete..................OCT 90

(2) Basis:
(a) Standard or definitive design....YES ___ NO X
(b) Where design was most recently used N/A

(3) Total Cost (c) = (a) + (b) and (d) + (e):
(a) Production of plans and specifications.. --
(b) All other design costs................. --
(c) Total...................................$400,000
(d) Contract................................ --
(e) In-house................................ --

(4) Construction start.........................Nov 90

b. Equipment associated with this project which will be from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
	NONE		

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. **COMPONENT** DNA	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. **DATE** 8 JAN 90

3. **INSTALLATION AND LOCATION** Johnston Island (U.S. Possession)	4. **PROJECT TITLE** Consolidated Maintenance Facility

5. **PROGRAM ELEMENT** 35115H	6. **CATEGORY CODE** 219	7. **PROJECT NUMBER** Unassigned	8. **PROJECT COST ($000)** $4,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Consolidated Maintenance Facility General Construction	LS	--	--	4,016
Subtotal				4,016
Contingency (5%)				201
Subtotal				4,217
Supervision, Inspection, & Overhead (5.5%)				232
Total Cost				4,449
TOTAL REQUEST				4,450

10. **DESCRIPTION OF PROPOSED CONSTRUCTION**

PROJECT: Construct a steel framed building, concrete foundation and floor, built up roof, dust collection system, compressed air, fire protection system, utilities, and the demolition of two buildings.

11. **REQUIREMENT**:

REQUIREMENT:	35,000 SF
ADEQUATE:	0 SF
SUBSTANDARD:	16,000 SF

PROJECT: Construction of a new 28,000 SF Civil Engineering Maintenance Facility and 7,000 SF Corrosion Control/Paint Facility. (C)

REQUIREMENT: Construct adequate facilities for the operations and maintenance work force who operate and maintain the Island's buildings, utilities, roads and grounds. Project provides shops for the carpenter, electrical, welding, corrosion protection, sheet metal, air conditioning, and plumbing trades. The facilities will allow for more efficient and expeditious services and will be accomplished in two phases.

CURRENT SITUATION: Maintenance is being conducted in disposed facilities, some of which were constructed in the late 1950's and their deteriorating condition make them extremely inefficient and uneconomical to upgrade, operate, or maintain. The Island maintenance contractor is located in five different

1. **COMPONENT** DNA	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	2. **DATE** 8 JAN 90

3. **INSTALLATION AND LOCATION**
Johnston Island (U.S. Possession)

4. **PROJECT TITLE** Consolidated Maintenance Facility, Phase I	5. **PROJECT NUMBER** Unassigned

buildings. This fragmentation impedes efficient and effective supervisory control and job scheduling, and introduces inefficiency into the normal daily job accomplishment. Renovation is not possible due to extensive termite damage, erosion and the age of the structures.

IMPACT IF NOT PROVIDED: Current facilities are no longer usable. The Island will continue to use inadequate and inefficient facilities with adverse effect on morale, productivity, and effective maintenance effort. Island corrosion damage will continue to increase requiring extensive equipment replacement.

12. **SUPPLEMENTAL DATA:**

a. Estimated Design Data:

(1) Status:
(a) Date Design Started..................Sep 88
(b) Percent complete as of Jan 90.........35%
(c) Percent complete as of Oct 90.........100%
(d) Date design complete.................Oct 89

(2) Basis:
(a) Standard or definitive design....YES ___ NO X
(b) Where design was most recently used N/A

(3) Total Cost (c) = (a) + (b) and (d) + (e):
(a) Production of plans and specifications..--
(b) All other design costs..................--
(c) Total...................................$350,000
(d) Contract................................--
(e) In-house................................--

(4) Construction start.........................Nov 90

b. Equipment associated with this project which will be from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
	NONE		

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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 10 JAN 1990
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
DOD DEPENDENT SCHOOLS		
DARMSTADT		
ELEM/JR HIGH ADDITIONS	7,276	
DARMSTADT		7,276
FRANKFURT		
ATTERBURY ELEM SCHOOL ADDITION	7,449	
FRANKFURT		7,449
IDAR OBERSTEIN		
ELEMENTARY SCHOOL ADDITION	2,189	
IDAR OBERSTEIN		2,189
KAISERSLAUTERN		
ELEM, JR, & MS ADDITIONS	13,341	
KAISERSLAUTERN		13,341
LANDSTUHL		
ELEM/MIDDLE SCHOOL ADDITION	3,724	
LANDSTUHL		3,724
MANNHEIM		
HIGH SCHOOL ADDITION	8,708	
MANNHEIM		8,708
NELLINGEN		
ELEMENTARY SCHOOL ADDITION	3,187	
NELLINGEN		3,187
RAMSTEIN		
ELEMENTARY & JR HIGH ADDITIONS	12,217	
RAMSTEIN		12,217
**DOD DEPENDENT SCHOOLS		58,091
UNITED KINGDOM		
DOD DEPENDENT SCHOOLS		
HARROGATE		
MENWITH HILL MS ADDITION	2,100	
HARROGATE		2,100

```
FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

      ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 10 JAN 1990
      SPECIFIED OUTSIDE THE UNITED STATES
             ($ THOUSANDS)
STATE/COMP./INSTALLATION                            PROJ COST        TOTAL
-------------------PROJECT NAME---------------     ----------   ----------
OVERSEAS VARIOUS
  DOD DEPENDENT SCHOOLS
    VARIOUS LOCATIONS
      HOT LUNCH FACILITIES                             15,188
        VARIOUS LOCATIONS                                             15,188


TOTALS
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  ARMY

  NAVY

  AIR FORCE

  DEFENSE AGENCIES                                                    75,379
                                                                 -----------
  SPECIFIED OUTSIDE THE UNITED STATES                                 75,379
```

1. COMPONENT DEFENSE (DODDS)	**FY 1991 MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990
3. INSTALLATION AND LOCATION DARMSTADT, GERMANY	**4. COMMAND** DOD DEPENDENTS SCHOOLS	**5. AREA CONSTRUCTION COST INDEX** 1.15

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
As of 30 SEP 89			101			1281				1382
End of FY 95			106			1354				1460

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE . . . .
b. INVENTORY TOTAL AS OF . . . .
c. AUTHORIZATION NOT YET IN INVENTORY. . . . .
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $7,276
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . .
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . .
g. REMAINING DEFICIENCY. . . . .
h. GRAND TOTAL $7,276

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-786	DARMSTADT ELEMENTARY/ JUNIOR HIGH SCHOOL ADDITIONS	67,500 SF	$7,276	9/88	4/90

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

1.COMPONENT **DEFENSE** **(DODDS)**	FY 1991 **MILITARY CONSTRUCTION**	**2.DATE** 7 JAN 1990

3.INSTALLATION AND LOCATION DARMSTADT, GERMANY	**4.PROJECT TITLE** DARMSTADT ELEMENTARY/ JUNIOR HIGH SCHOOL ADDITIONS

5.PROGRAM ELEMENT 88715-D	**6.CATEGORY CODE** 730-786	**7.PROJECT NUMBER** 204	**8.PROJECT COST ($000)** $7,276

$1 = 2.03 DM **9.COST ESTIMATES**

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	67,500	$ 84.59	5,710
Elementary School Addition	SF	39,900	$ 90.73	(3,620)
Junior High School Addition	SF	19,600	$ 94.94	(1,861)
Elementary/Junior High School Renovation	SF	8,000	$ 28.63	(229)
Supporting Facilities	LS			797
Utilities	LS			(174)
Site Preparation	LS			(139)
Paving	LS			(157)
Communications	LS			(40)
Playgrounds and Sports Fields	LS			(70)
Demolition	LS			(40)
Site Improvement	LS			(107)
Heating Plant	LS			(70)
Subtotal				6,507
Contingency (5%)				325
Total Contract Cost				6,832
Supervision, Inspection & Overhead (6.5%)				444
Total Request				7,276

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct two pre-engineered, precast, reinforced concrete, masonry or steel frame additions to the elementary and junior high schools. Project includes the following classrooms for the elementary school: 5 general purpose, 2 host nation, 2 computer, 2 itinerant and one each for art, music, kindergarten, reading improvement, emotionally impaired, English as a Second Language, compensatory education, Talented and Gifted, occupational/physical therapy, a gymnasium with stage and storage, janitors' room, 2 itinerant offices, shared kindergarten kitchen, teachers' workroom, supply/storage room, kitchen storage and utilities space. For the junior high, the classrooms are: 2 general purpose, and 1 each for art studio, home economics lab, industrial arts lab, a multi-purpose room with storage, equipped kitchen, expansion of the media center and utilities space. Project also includes the demolition or relocation of 4 structures, alterations to existing educational and support areas, exterior lighting, painting, and the necessary tie-in to the existing structures.

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1. COMPONENT **DEFENSE** **(DODDS)**	**FY 1991 MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION DARMSTADT, GERMANY	**4. PROJECT TITLE** DARMSTADT ELEMENTARY/ JUNIOR HIGH SCHOOL ADDITIONS

5. PROGRAM ELEMENT	**6. CATEGORY CODE**	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)**
88715-D	730-786	204	$7,276

11. REQUIREMENT: 75 Teaching Stations Adequate: 50 Substandard: 25

Project: This project is required to provide an adequate school facility for 1354 students, grades K-9. This project supports a current mission and is not eligible for NATO or host nation funding.

CURRENT SITUATION:

The existing elementary school can accommodate 770 students; its present enrollment is 903 students; and the projected enrollment is 970 students. Areas available for special education functions (i.e., reading improvement, English as a second language, compensatory education, talented and gifted, emotionally impaired, occupational/physical therapy) are either too small for the current curriculum requirements or nonexistent. The multipurpose room is too small to permit a physical education program for 970 students and at present, 6 educational functions are occupying temporary prefabricated classroom units which are only two-thirds of the required size.

The junior high school can accommodate 300 students; the present enrollment is 379; and the projected enrollment is 384. The areas for art, science, industrial arts, media center, and administration are either non-existent or too small for curriculum and functional requirements. There is no kitchen to provide a hot lunch program.

IMPACT IF NOT PROVIDED:

The quality of education provided to the Darmstadt Military Community will not be equivalent to that provided in the United States or the surrounding military communities. Overcrowded classrooms and deficient curriculum offerings will continue to be a source of aggravation for students, educators, parents, and the military community.

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 **MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION DARMSTADT, GERMANY	**4. PROJECT TITLE** DARMSTADT ELEMENTARY/ JUNIOR HIGH SCHOOL ADDITIONS

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-786	**7. PROJECT NUMBER** 204	**8. PROJECT COST ($000)** $7,276

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started . . . . SEP 88
(b) Percent Complete as of January 1, 1989. . . . . 35%
(c) Percent Complete as of October 1, 1989. . . . . 35%
(d) Date Design Complete. . . . . APR 90

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications. . . . . . . ( )
(b) All Other Design Costs. . . . . ( )
(c) Total . . . . (810)
(d) Contract. . . . . (540)
(e) In-House. . . . . (270)

(4) Construction Start . . . . APR 91

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
	NONE		

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1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 **MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION FRANKFURT, GERMANY	**4. COMMAND** DOD DEPENDENTS SCHOOLS	**5. AREA CONSTRUCTION COST INDEX** 1.15

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFFICER	**ENLISTED**	**CIVILIAN**	**OFFICER**	**ENLISTED**	**CIVILIAN**	**OFFICER**	**ENLISTED**	**CIVILIAN**	
As of 30 SEP 89			85			842				927
End of FY 95			86			850				936

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	
b.	INVENTORY TOTAL AS OF	
c.	AUTHORIZATION NOT YET IN INVENTORY.	
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	$7,449
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f.	PLANNED IN NEXT THREE PROGRAM YEARS	
g.	REMAINING DEFICIENCY.	
h.	GRAND TOTAL	$7,449

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	ATTERBERRY ELEMENTARY SCHOOL ADDITION	59,100 SF	$7,449	2/89	8/90

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

1. COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2. DATE 7 JAN 1990

3. INSTALLATION AND LOCATION FRANKFURT, GERMANY	4. PROJECT TITLE ATTERBERRY ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 214	8. PROJECT COST ($000) $7,449

$1 - 2.03 DM 9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	59,100	$ 92.25	5,452
Elementary School Addition	SF	56,100	$ 94.63	(5,309)
Existing Facility Renovation	SF	3,000	$ 47.66	(143)
Supporting Facilities	LS			1,209
Utilities	LS			(195)
Site Preparation	LS			(131)
Paving	LS			(152)
Communications	LS			(72)
Playgrounds and Sports Fields	LS			(102)
Site Improvement	LS			(128)
Demolition	LS			(140)
Lease/Install Temporary Classrooms	LS			(190)
Heating Plant	LS			(99)
Subtotal				6,661
Contingency (5%)				333
Total Contract Cost				6,994
Supervision, Inspection & Overhead (6.5%)				455
Total Request				7,449

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct pre-engineered, precast, reinforced concrete, masonry or steel frame additions to the elementary school to include 3 kindergarten and 13 general purpose classrooms; an art room and a music room, a computer classroom with storage, a host nation classroom, an English as a Second Language classroom, 5 hearing impaired classrooms, 2 speech therapy rooms, 2 preschool handicapped rooms, a physically-impaired room, itinerant classroom, a multipurpose room with storage and kitchen, teachers' workroom and administrative facilities. Project includes the demolition of portions of the existing facilities and provisions for temporary classrooms. Also includes renovation of existing facilities, fencing, and exterior lighting.

---

11. REQUIREMENT: 51 Teaching Stations Adequate: 18 Substandard: 33

Project: This project is required to provide an adequate school facility for 850 students, grades K-6. This project supports a current mission and is not eligible for NATO or host nation funding.

CURRENT SITUATION:

The existing elementary school has only one adequate permanent classroom building with a capacity of approximately 400 students. The present

...continued on next page...

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 MILITARY CONSTRUCTION	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION FRANKFURT, GERMANY	**4. PROJECT TITLE** ATTERBERRY ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-784	**7. PROJECT NUMBER** 214	**8. PROJECT COST ($000)** $7,449

CURRENT SITUATION (con't):
enrollment is 842. Six inadequate buildings are being used on an interim basis due to overcrowding, but they are separated from the main school complex by a road that is heavily traveled. These temporary buildings were never designed for use as school facilities and are beyond economical repair due to age and deterioration. A remotely located building is utilized for special education functions and kindergartens. There is no kitchen to provide a hot lunch program.

The North Central Association of Colleges and Schools which accredits DoD schools stated in their last report that "the climate in seven of the instructional buildings is below that normally expected from NCA accredited schools."

IMPACT IF NOT PROVIDED:
The quality of elementary and special education in the Frankfurt Military Community will continue to be adversely affected by the inadequate school facilities and students will not have an educational environment compreable to that provided to stateside students.

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 **MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION FRANKFURT, GERMANY	**4. PROJECT TITLE** ATTERBERRY ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-784	**7. PROJECT NUMBER** 214	**8. PROJECT COST ($000)** $7,449

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started . . . . FEB 89
(b) Percent Complete as of January 1, 1989 . . . . . 0%
(c) Percent Complete as of October 1, 1989 . . . . . 35%
(d) Date Design Complete . . . . AUG 90

(2) Basis:

(a) Standard or Definitive Design: Yes_____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications . . . . ( )
(b) All Other Design Costs . . . . ( )
(c) Total . . . . (720)
(d) Contract . . . . (480)
(e) In-House . . . . (240)

(4) Construction Start . . . . APR 91

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
	NONE		

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 MILITARY CONSTRUCTION	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION IDAR OBERSTEIN, GERMANY	**4. COMMAND** DOD DEPENDENTS SCHOOLS	**5. AREA CONSTRUCTION COST INDEX** 1.15

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
As of 30 SEP 89			21			230				251
End of FY 95			22			250				272

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF	
c. AUTHORIZATION NOT YET IN INVENTORY	$875
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	$2,189
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	$2,189

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	IDAR OBERSTEIN ELEMENTARY SCHOOL ADDITION	21,500 SF	$2,189	2/87	8/90

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

1.COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2.DATE 7 JAN 1990

3.INSTALLATION AND LOCATION IDAR OBERSTEIN, GERMANY	4.PROJECT TITLE IDAR OBERSTEIN ELEMENTARY SCHOOL ADDITION

5.PROGRAM ELEMENT 88715-D	6.CATEGORY CODE 730-784	7.PROJECT NUMBER 216	8.PROJECT COST ($000) $2,189

$1 - 2.03 DM

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	21,500	$ 76.09	1,636
Elementary School Addition	SF	15,500	$ 91.42	(1,417)
Elementary School Renovation	SF	6,000	$ 36.50	(219)
Supporting Facilities	LS			321
Utilities	LS			(50)
Site Preparation	LS			(45)
Paving	LS			(52)
Communications	LS			(10)
Playgrounds and Sports Fields	LS			(26)
Demolition	LS			(18)
Site Improvement	LS			(44)
Heating Plant	LS			(26)
Lease/Install Temporary Classrooms	LS			(50)
Subtotal				1,957
Contingency (5%)				98
Total Contract Cost				2,055
Supervision, Inspection & Overhead (6.5%)				134
Total Request				2,189

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a pre-engineered, precast, reinforced concrete, masonry or steel frame addition to the existing elementary school to include: 1 kindergarten with kitchen, and 1 classroom for host nation; 2 special education classrooms; an art studio, media center, stage, teachers' workroom, supply/storage areas and administrative areas. Three relocatable classrooms will be provided during construction. The project also includes painting and necessary tie-in to the existing structure.

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11. REQUIREMENT: 15 Teaching Stations Adequate: 6 Substandard: 9

Project: This project is required to provide an adequate school facility for 250 students, grades K-6. This project supports a current mission and is not eligible for NATO or host nation funding.

CURRENT SITUATION:

The existing school contains 9 teaching stations (TS) which is only 60 percent of the requirement to support an enrollment of 250. Of the existing TS's, 3 are prefabricated metal buildings which are beyond economical repair; one is a kindergarten which is only two-thirds the required size; and the remainder are general purpose classrooms which require improvements to meet current standards. There are no dedicated class-

...continued on next page...

1.COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2.DATE 7 JAN 1990

3.INSTALLATION AND LOCATION IDAR OBERSTEIN, GERMANY	4.PROJECT TITLE IDAR OBERSTEIN ELEMENTARY SCHOOL ADDITION

5.PROGRAM ELEMENT	6.CATEGORY CODE	7.PROJECT NUMBER	8.PROJECT COST ($000)
88715-D	730-784	216	$2,189

CURRENT SITUATION (con't):

rooms to support ongoing special education and other special programs such as learning impaired, reading improvement, speech, English as a Second Language, Talented and Gifted, and host nation. Some of these classes are conducted in hallways because of inadequate space. The existing health room and counseling center are much too small to function adequately and the media center is less than one-half the required size. The North Central Association of Colleges and Schools, which accredits DoD schools, has cited this school for inadequate facilities.

IMPACT IF NOT PROVIDED:

The quality of education provided to the Idar Oberstein Military Subcommunity will not be equivalent to that provided in the United States or the surrounding military communities. Overcrowded classrooms and deficient curriculum offerings will continue to be a source of aggravation for students, educators, parents, and the military community.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 **MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION IDAR OBERSTEIN, GERMANY	**4. PROJECT TITLE** IDAR OBERSTEIN ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT	**6. CATEGORY CODE**	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)**
88715-D	730-784	216	$2,189

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started . . . . FEB 87
(b) Percent Complete as of January 1, 1989. . . . . . 35%
(c) Percent Complete as of October 1, 1989. . . . . . 35%
(d) Date Design Complete. . . . . AUG 90

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications. . . . . . . ( )
(b) All Other Design Costs. . . . . ( )
(c) Total . . . . (330)
(d) Contract. . . . . (220)
(e) In-House. . . . . (110)

(4) Construction Start . . . . APR 91

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
	NONE		

INTENTIONAL
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1. COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2. DATE 7 JAN 1990

3. INSTALLATION AND LOCATION KAISERSLAUTERN, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTRUCTION COST INDEX 1.15

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
As of 30 SEP 89			210			2541				2751
End of FY 95			211			2792				3003

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	
b.	INVENTORY TOTAL AS OF	
c.	AUTHORIZATION NOT YET IN INVENTORY	
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	$13,341
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f.	PLANNED IN NEXT THREE PROGRAM YEARS	
g.	REMAINING DEFICIENCY	
h.	GRAND TOTAL	$13,341

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-785	KAISERSLAUTERN ELEMENTARY, MIDDLE & HIGH SCHOOL ADDITIONS	125,000 SF	$13,341	2/87	8/90

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1390
1 DEC 83

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO.

1.COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2.DATE 7 JAN 1990

3.INSTALLATION AND LOCATION KAISERSLAUTERN, GERMANY	4.PROJECT TITLE KAISERSLAUTERN ELEMENTARY, MIDDLE & HIGH SCHOOL ADDITIONS

5.PROGRAM ELEMENT 88715-D	6.CATEGORY CODE 730-785	7.PROJECT NUMBER 209	8.PROJECT COST ($000) $13,341

$1 - 2.03 DM

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	125,000	$ 79.65	9,956
Elementary School Addition	SF	93,000	$ 91.33	(8,494)
Existing Facility Renovation	SF	32,000	$ 45.69	(1,462)
Supporting Facilities	LS			1,974
Utilities	LS			(330)
Site Preparation	LS			(264)
Paving	LS			(317)
Communications	LS			(82)
Playgrounds and Sports Fields	LS			(500)
Demolition	LS			(90)
Site Improvement	LS			(235)
Heating Plant	LS			(156)
Subtotal				11,930
Contingency (5%)				597
Total Contract Cost				12,527
Supervision, Inspection & Overhead (6.5%)				814
Total Request				13,341

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct pre-engineered, precast, reinforced concrete, masonry or steel frame additions to the existing elementary school. The project includes 27 general purpose classrooms, 5 kindergarten rooms, 3 host nation, 2 computer, 1 art, music, 3 learning development, 2 reading improvement an elementary school gymnasium and multipurpose room with equipped kitchen Talented and Gifted, English as a Second Language, speech media center, teachers' workroom, supply/storage and administrative/support areas. Work includes alterations to educational and support areas within existing elementary, middle, and high schools; demolition of 1 building and removal of 8 prefabricated classroom units. Project also includes fencing, exterior lighting, painting and necessary tie-in to the existing structures.

11. REQUIREMENT: 152 Teaching Stations Adequate: 82 Substandard: 70

Project: This project is required to provide an adequate school facility for 2792 students, grades K-12. This project supports a current mission and is not eligible for NATO or host nation funding.

CURRENT SITUATION:

Enrollment has increased approximately 9 percent at the Kaiserslautern

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1. COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2. DATE 7 JAN 1990

3. INSTALLATION AND LOCATION KAISERSLAUTERN, GERMANY	4. PROJECT TITLE KAISERSLAUTERN ELEMENTARY, MIDDLE & HIGH SCHOOL ADDITIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88715-D	730-785	209	$13,341

CURRENT SITUATION (con't):

school complex since 1983 which has necessitated the use of temporary facilities, leased space and interim space provided by the military community. The existing school complex contains only 82 adequate teaching stations (TS) which is only 54 percent of the 152 TS's required for the projected enrollment. Also, the elementary school currently occupies 21 TS's in the high school, 8 small temporary classroom units, and 8 classrooms located in interim facilities provided by the community; and shares physical education space with the military installation. The areas for speech therapy, reading improvement, English as a Second Language, library, host nation, business office, cafeteria and supply are too small for their functional requirements.

The existing middle school has sufficient TS's to meet current requirements, but not for the projected enrollment increases. Nine of the TS's are located in an old dilapidated pre-engineered metal building which has been classified as beyond economical repair, and existing areas for art and music are too small for their curriculum requirements.

The existing high school also has sufficient TS's to meet current requirements, but not for the projected enrollment increases. Areas for music, science and gymnasium storage are too small for their curriculum requirements.

This project will facilitate grade restructuring in the elementary and middle schools from K-6 and 7-8 to K-5 and 6-8 respectively. It will also correct the major facility deficiencies identified during the North Central Association of Colleges and Schools' accreditation inspection visit.

IMPACT IF NOT PROVIDED:

Students will be subjected to severely overcrowded conditions and will continue to occupy areas which are functionally or physically deficient. Commingling of elementary and high school students will continue to exist. Lack of adequate special and physical education facilities will impede the full range of required activities.

1.COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2.DATE 7 JAN 1990

3.INSTALLATION AND LOCATION KAISERSLAUTERN, GERMANY	4.PROJECT TITLE KAISERSLAUTERN ELEMENTARY, MIDDLE & HIGH SCHOOL ADDITIONS

5.PROGRAM ELEMENT 88715-D	6.CATEGORY CODE 730-785	7.PROJECT NUMBER 209	8.PROJECT COST ($000) $13,341

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started . . . . FEB 87
(b) Percent Complete as of January 1, 1989. . . . . 35%
(c) Percent Complete as of October 1, 1989. . . . . 35%
(d) Date Design Complete. . . . . AUG 90

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications. . . . . . . ( )
(b) All Other Design Costs. . . . . ( )
(c) Total . . . . (1400)
(d) Contract. . . . . (930)
(e) In-House. . . . . (470)

(4) Construction Start . . . . APR 91

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
	NONE		

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1 DEC 83

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 MILITARY CONSTRUCTION	**2. DATE** 7 JAN 1990
3. INSTALLATION AND LOCATION LANDSTUHL, GERMANY	**4. COMMAND** DOD DEPENDENTS SCHOOLS	**5. AREA CONSTRUCTION COST INDEX** 1.15

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
As of 30 SEP 89			65			959				1024
End of FY 95			66			1000				1066

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	
b.	INVENTORY TOTAL AS OF	
c.	AUTHORIZATION NOT YET IN INVENTORY	
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	$3,724
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f.	PLANNED IN NEXT THREE PROGRAM YEARS	
g.	REMAINING DEFICIENCY	
h.	GRAND TOTAL	$3,724

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-786	LANDSTUHL ELEMENTARY/ MIDDLE SCHOOL ADDITION	39,900 SF	$3,724	2/86	8/89

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1390
1 DEC 83

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2.DATE 7 JAN 1990

3.INSTALLATION AND LOCATION LANDSTUHL, GERMANY	4.PROJECT TITLE LANDSTUHL ELEMENTARY/ MIDDLE SCHOOL ADDITION

5.PROGRAM ELEMENT 88715-D	6.CATEGORY CODE 730-786	7.PROJECT NUMBER 215	8.PROJECT COST ($000) $3,724

$1 - 2.03 DM

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	39,900	$ 74.34	2,966
Elementary/Middle School Addition	SF	26,400	$101.10	(2,669)
Elementary/Middle School Renovation	SF	13,500	$ 22.00	(297)
Supporting Facilities	LS			364
Utilities	LS			(62)
Site Preparation	LS			(59)
Paving	LS			(62)
Communications	LS			(31)
Playgrounds and Sports Fields	LS			(35)
Site Improvement	LS			(50)
Demolition	LS			(30)
Heating Plant	LS			(35)
Subtotal				3,330
Contingency (5%)				167
Total Contract Cost				3,497
Supervision, Inspection & Overhead (6.5%)				227
Total Request				3,724

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a pre-engineered, precast, reinforced concrete, masonry or steel frame school addition. Project includes 7 general purpose, 2 kindergarten, and 2 host nation classrooms; and 1 each for industrial arts, home economics, music, talented and gifted, speech, learning development, art, English as a Second Language and storage. It also includes landscaping, fencing, exterior lighting, painting, removal of 8 prefabricated classroom units and necessary tie-in and alterations to the existing structure.

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11. REQUIREMENT: 51 Teaching Stations Adequate: 27 Substandard: 24

Project: This project is required to provide an adequate school facility for 1000 students, grades K-8. This project supports a current mission and is not eligible for NATO or host nation funding.

CURRENT SITUATION:

The existing elementary/middle school complex contains 42 teaching stations (TS). Of these 42, 15 are substandard because they are in temporary prefabricated classroom units or are too small for their functional purpose. This is only 64 percent of that required for the projected enrollment. The North Central Association of Colleges and

...continued on next page...

DD FORM 1391
1 DEC 83

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2.DATE 7 JAN 1990

3.INSTALLATION AND LOCATION LANDSTUHL, GERMANY	4.PROJECT TITLE LANDSTUHL ELEMENTARY/ MIDDLE SCHOOL ADDITION

5.PROGRAM ELEMENT	6.CATEGORY CODE	7.PROJECT NUMBER	8.PROJECT COST ($000)
88715-D	730-786	215	$3,724

CURRENT SITUATION (con't):

Schools (NCA), which accredits DoD schools, has been critical of this school's substandard, overcrowded and inadequate facilities. The June 1988 NCA report cited Landstuhl E/MS for violation of standards because the existing facilities were not adequate in size for the present enrollment nor functionally suitable for programs such as music, science, ESL and other special education programs. Space limitations and inappropriate configuration of rooms is very disruptive, especially for those students needing individual or small-group instruction (special education).

IMPACT IF NOT PROVIDED:

Students will continue to be subjected to overcrowded, deficient facilities in a substandard educational environment.

1. COMPONENT **DEFENSE** **(DODDS)**	**FY 1991 MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION LANDSTUHL, GERMANY	**4. PROJECT TITLE** LANDSTUHL ELEMENTARY/ MIDDLE SCHOOL ADDITION

5. PROGRAM ELEMENT	**6. CATEGORY CODE**	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)**
88715-D	730-786	215	$3,724

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started . . . . FEB 86
(b) Percent Complete as of January 1, 1989. . . . . 35%
(c) Percent Complete as of October 1, 1989. . . . . 100%
(d) Date Design Complete. . . . . AUG 89

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications. . . . . . . ( )
(b) All Other Design Costs. . . . . ( )
(c) Total . . . . (270)
(d) Contract. . . . . (180)
(e) In-House. . . . . (90)

(4) Construction Start . . . . APR 91

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
	NONE		

1.COMPONENT **DEFENSE** **(DODDS)**	FY 1991 **MILITARY CONSTRUCTION**	**2.DATE** 7 JAN 1990
3.INSTALLATION AND LOCATION MANNHEIM, GERMANY	**4.COMMAND** DOD DEPENDENTS SCHOOLS	**5.AREA CONSTRUCTION COST INDEX** 1.15

6.PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
As of 30 SEP 89			59			696				755
End of FY 95			60			710				770

7.INVENTORY DATA ($000)

a. TOTAL ACREAGE . . . .
b. INVENTORY TOTAL AS OF . . . .
c. AUTHORIZATION NOT YET IN INVENTORY. . . . .
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $8,708
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . .
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . .
g. REMAINING DEFICIENCY. . . . .
h. GRAND TOTAL $8,708

8.PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-785	MANNHEIM HIGH SCHOOL ADDITION	54,900 SF	$8,708	2/87	10/89

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

1.COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2.DATE 7 JAN 1990

3.INSTALLATION AND LOCATION MANNHEIM, GERMANY	4.PROJECT TITLE MANNHEIM HIGH SCHOOL ADDITION

5.PROGRAM ELEMENT 88715-D	6.CATEGORY CODE 730-785	7.PROJECT NUMBER 210	8.PROJECT COST ($000) $8,708

$1 = 2.03 DM 9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	54,900	$123.37	6,773
High School Addition	SF	44,900	$137.13	(6,157)
Existing Facility Renovation	SF	10,000	$ 61.60	(616)
Supporting Facilities	LS			1,014
Utilities	LS			(142)
Site Preparation	LS			(128)
Paving	LS			(129)
Communications	LS			(81)
Playgrounds and Sports Fields	LS			(91)
Demolition	LS			(70)
Site Improvement	LS			(112)
Heating Plant	LS			(91)
Lease/Install Temporary Classrooms	LS			(170)
Subtotal				7,787
Contingency (5%)				389
Total Contract Cost				8,176
Supervision, Inspection & Overhead (6.5%)				532
Total Request				8,708

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes the following classrooms: 2 itinerant special education; and 1 room each for general purpose, music, home economics, cosmetology, emotional impairment, equipped kitchen, graphic arts, industrial arts, supply/storage, JROTC, mechanical drawing; and a gymnasium complete with male and female locker rooms, weight training, storage and spectator seating. Project also includes alterations of existing educational and support areas, temporary facilities during construction, demolition of buildings 315 and 746, painting, and necessary tie-in to the existing structure.

11. REQUIREMENT: 43 Teaching Stations Adequate: 27 Substandard: 16

Project: This project is required to provide an adequate school facility for 710 students, grades 09-12. This project supports a current mission and is not eligible for NATO or host nation funding.

CURRENT SITUATION:

High school enrollment has increased approximately 11 percent since 1983. The existing school complex contains 39 teaching stations which is only 90 percent of that which is required for the increased enrollment. The

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1.COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2.DATE 7 JAN 1990

3.INSTALLATION AND LOCATION MANNHEIM, GERMANY	4.PROJECT TITLE MANNHEIM HIGH SCHOOL ADDITION

5.PROGRAM ELEMENT 88715-D	6.CATEGORY CODE 730-785	7.PROJECT NUMBER 210	8.PROJECT COST ($000) $8,708

CURRENT SITUATION (con't):

existing music, cosmetology, art, home economics and mechanical drawing classrooms are too small to support current curriculum requirements. Existing special education areas for emotional impairment, learning disabilities, Talented and Gifted, speech therapy, and English as a Second Language are either far too small or non-existent. There is no gymnasium or hot lunch facilities, and the JROTC and school supply facilities are located in six 30-year old dilapidated metal Quonset huts. The latest accreditation visitation report noted that there were major limitations being placed on the education programs due to a lack of adequate facilities. Specific limitations were noted for physical education (lack of gymnasium), art, music, remedial reading, JROTC, and the nurse's office.

IMPACT IF NOT PROVIDED:

The quality of education provided to the Mannheim Military Community will not be equivalent to that provided in the United States or surrounding military communities. Overcrowded classrooms and deficient curriculum offerings will continue to be a source of aggravation for students, educators, parents, and the military community. Lack of onsite lunch and gymnasium facilities will continue the problem of student control during transit to off-campus sites. DoDDS will incur increased operation and maintenance costs to transport students to a remote, leased physical education facility to meet accreditation report recommendations.

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 MILITARY CONSTRUCTION	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION MANNHEIM, GERMANY	**4. PROJECT TITLE** MANNHEIM HIGH SCHOOL ADDITION

5. PROGRAM ELEMENT	**6. CATEGORY CODE**	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)**
88715-D	730-785	210	$8,708

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started . . . . FEB 87
(b) Percent Complete as of January 1, 1989. . . . . . 35%
(c) Percent Complete as of October 1, 1989. . . . . . 100%
(d) Date Design Complete. . . . . OCT 89

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications. . . . . . . (   )
(b) All Other Design Costs. . . . . (   )
(c) Total . . . . (460)
(d) Contract. . . . . (310)
(e) In-House. . . . . (150)

(4) Construction Start . . . . APR 91

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
	NONE		

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 MILITARY CONSTRUCTION	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION NELLINGEN, GERMANY	**4. COMMAND** DOD DEPENDENTS SCHOOLS	**5. AREA CONSTRUCTION COST INDEX** 1.15

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			**TOTAL**
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
As of 30 SEP 89			44			489				533
End of FY 95			46			520				566

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF	
c. AUTHORIZATION NOT YET IN INVENTORY	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	$3,187
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	$3,187

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	NELLINGEN ELEMENTARY SCHOOL ADDITION	25,600 SF	$3,187	2/87	8/88

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	**FY 1991 MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION NELLINGEN, GERMANY	**4. PROJECT TITLE** NELLINGEN ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT	**6. CATEGORY CODE**	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)**
88715-D	730-784	211	$3,187

$1 - 2.03 DM **9. COST ESTIMATES**

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	25,600	$ 98.09	2,511
Elementary School Addition	SF	22,200	$106.00	(2,353)
Elementary School Renovation	SF	3,400	$ 46.33	(158)
Supporting Facilities	LS			339
Utilities	LS			(62)
Site Preparation	LS			(60)
Paving	LS			(60)
Communications	LS			(36)
Playgrounds and Sports Fields	LS			(38)
Site Improvement	LS			(45)
Heating Plant	LS			(38)
Subtotal				2,850
Contingency (5%)				143
Total Contract Cost				2,993
Supervision, Inspection & Overhead (6.5%)				194
Total Request				3,187

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
Construct a pre-engineered, precast, reinforced concrete, masonry or steel frame addition to the existing school. The project includes 2 kindergartens with kitchens, 2 learning disabilities rooms and 1 classroom each for: reading improvement, art, speech, music, and computer science. The project also includes a library, nurse's room, teachers' workroom, administrative offices, and a fully equipped kitchen. Also, alterations of educational and support areas, painting, and necessary tie-in to the existing structure.

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11. REQUIREMENT: 29 Teaching Stations Adequate: 18 Substandard: 11
Project: This project is required to provide an adequate school facility for 520 students, grades K-6. This project supports a current mission and is not eligible for NATO or host nation funding.

CURRENT SITUATION:
The school presently has only 79 percent of the teaching stations necessary to provide a standard educational program for 520 students. The library has been cited as substandard in the 1987 accreditation report. The kindergarten is located in a general purpose classroom that is far below minimum size and lacks the kitchen facilities necessary for home

...continued on next page...

1. COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2. DATE 7 JAN 1990

3. INSTALLATION AND LOCATION NELLINGEN, GERMANY	4. PROJECT TITLE NELLINGEN ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88715-D	730-784	211	$3,187

CURRENT SITUATION (con't):

safety training. Special education classes are being held in small storage rooms and in corridors that have been partitioned off. There are no classrooms for art or music and no kitchen to provide a hot lunch program. The administrative center is located in a former storage room which is far too small for its functional requirements.

IMPACT IF NOT PROVIDED:

The educational facilities at Nellingen Elementary School will continue to be substandard to that provided in the United States and in other military community schools. Overcrowded classrooms and deficient curriculum offerings will continue to be a source of aggravation for students, educators, and parents. There will be no hot lunch program.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 MILITARY CONSTRUCTION	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION NELLINGEN, GERMANY	**4. PROJECT TITLE** NELLINGEN ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-784	**7. PROJECT NUMBER** 211	**8. PROJECT COST ($000)** $3,187

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started . . . . FEB 87
(b) Percent Complete as of January 1, 1989. . . . . 35%
(c) Percent Complete as of October 1, 1989. . . . . 65%
(d) Date Design Complete. . . . . JAN 90

(2) Basis:

(a) Standard or Definitive Design: Yes_____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications. . . . . . . ( )
(b) All Other Design Costs. . . . . ( )
(c) Total . . . . (270)
(d) Contract. . . . . (180)
(e) In-House. . . . . (90)

(4) Construction Start . . . . APR 91

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
	NONE		

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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 MILITARY CONSTRUCTION	**2. DATE** 7 JAN 1990
3. INSTALLATION AND LOCATION RAMSTEIN AB, GERMANY	**4. COMMAND** DOD DEPENDENTS SCHOOLS	**5. AREA CONSTRUCTION COST INDEX** 1.15

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
As of 30 SEP 89			154			2062				2216
End of FY 95			161			2104				2265

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	
b.	INVENTORY TOTAL AS OF	
c.	AUTHORIZATION NOT YET IN INVENTORY	
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	$12,217
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f.	PLANNED IN NEXT THREE PROGRAM YEARS	
g.	REMAINING DEFICIENCY	
h.	GRAND TOTAL	$12,217

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-786	RAMSTEIN ELEMENTARY/ JUNIOR HIGH SCHOOL ADDITIONS	184,900 SF	$12,217	2/87	8/89

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2. DATE 7 JAN 1990

3. INSTALLATION AND LOCATION RAMSTEIN AB, GERMANY	4. PROJECT TITLE RAMSTEIN ELEMENTARY/ JUNIOR HIGH SCHOOL ADDITIONS

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-786	7. PROJECT NUMBER 212	8. PROJECT COST ($000) $12,217

$1 = 2.03 DM

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	184,900	$ 53.15	9,827
Elementary School	SF	90,600	$ 83.95	(7,606)
Elementary/Junior High School Addition	SF	14,300	$ 83.85	(1,199)
Existing Facility Renovation	SF	80,000	$ 12.78	(1,022)
Supporting Facilities	LS			1,098
Utilities	LS			(430)
Paving	LS			(210)
Communications	LS			(92)
Playgrounds and Sports Fields	LS			(86)
Demolition	LS			(75)
Site Improvement	LS			(110)
Heating Plant	LS			(95)
Subtotal				10,925
Contingency (5%)				546
Total Contract Cost				11,471
Supervision, Inspection & Overhead (6.5%)				746
Total Request				12,217

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a pre-engineered, precast, reinforced concrete, masonry or steel frame elementary school and a joint use multipurpose building for the existing elementary school and the junior high school. The new elementary school includes the following classrooms: 22 general purpose and 8 kindergarten with kitchens; 1 room each for: art, music, reading improvement with storage, English as a Second Language, speech, health, learning disabilities, severely emotionally disturbed, occupational/physical therapy, talented and gifted and 2 each: computer and host nation classrooms. The project also includes a gymnasium with 2 physical education teacher offices and storage, multipurpose room with stage and storage, kitchen with storage, media center, administration area, counselling center, teachers' workroom, janitors' room, and supply/ storage rooms. The elementary and junior high addition includes a multipurpose room, stage, offices, storage, and a kitchen with storage. Also includes the demolition of 23 prefabricated classroom buildings, renovations in 4 buildings, the upgrading of 63 existing classrooms to meet current standards, painting, and necessary tie-in to the existing structures.

...continued on next page...

1. COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2. DATE 7 JAN 1990

3. INSTALLATION AND LOCATION RAMSTEIN AB, GERMANY	4. PROJECT TITLE RAMSTEIN ELEMENTARY/ JUNIOR HIGH SCHOOL ADDITIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88715-D	730-786	212	$12,217

11. REQUIREMENT: 111 Teaching Stations Adequate: 58 Substandard: 53

Project: This project is required to provide an adequate school facility for 2104 students, grades K-6. This project supports a current mission and is not eligible for NATO or host nation funding.

CURRENT SITUATION:

This project is required to replace substandard facilities (i.e., dilapidated temporary classroom buildings), provide required but not presently existing facilities, renovate existing facilities to meet current requirements, facilitate operation of two reasonably sized elementary schools rather than a single school for over 2,000 students and to provide limited improvements for the junior high school. A new elementary school is required to provide adequate facilities for 1,104 students in grades K-6. Renovations are required to alter and modernize existing facilities to accommodate 1,000 students in grades 1-6 in two existing buildings. The dual use multipurpose building is required to provide adequate facilities for physical education, lunch, assemblies, etc., for both the existing elementary school and the junior high school. The existing elementary school consists of 92 teaching stations, including 15 in prefabricated classroom buildings, as compared to a total requirement of 111. The school has a single multipurpose hall with a seating capacity of approximately 400 and no other building for a gymnasium, cafeteria, or auditorium. This hall also serves as the lunch facility for the junior high school. With a peak enrollment of 2,104 students, the elementary school is the largest school in DoDDS. The existing facilities provide only 65 gross square feet per student, including special education and special programs spaces, which is well below DoDDS standards.

IMPACT IF NOT PROVIDED:

The quality of education provided to the Ramstein Air Base Community will not be equivalent to that provided in the United States or the surrounding military communities. Overcrowded classrooms and deficient curriculum offerings will continue to be a source of aggravation for students, educators, parents, and the military community. Lack of adequate lunch, gymnasium, and assembly facilities will continue to impede the full range of required activities.

1. COMPONENT **DEFENSE** **(DODDS)**	**FY 1991 MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION RAMSTEIN AB, GERMANY	**4. PROJECT TITLE** RAMSTEIN ELEMENTARY/ JUNIOR HIGH SCHOOL ADDITIONS

5. PROGRAM ELEMENT	**6. CATEGORY CODE**	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)**
88715-D	730-786	212	$12,217

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started . . . . FEB 87
(b) Percent Complete as of January 1, 1989. . . . . . 35%
(c) Percent Complete as of October 1, 1989. . . . . . 100%
(d) Date Design Complete. . . . . AUG 89

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications. . . . . . . (   )
(b) All Other Design Costs. . . . . (   )
(c) Total . . . . (1700)
(d) Contract. . . . . (1120)
(e) In-House. . . . . (580)

(4) Construction Start . . . . APR 91

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
	NONE		

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT **DEFENSE** **(DODDS)**	**FY 1991 MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION HARROGATE, UNITED KINGDOM	**4. COMMAND** DOD DEPENDENTS SCHOOLS	**5. AREA CONSTRUCTION COST INDEX** 1.49

6. PERSONNEL STRENGTH	**PERMANENT**			**STUDENTS**			**SUPPORTED**			
	OFFICER	**ENLISTED**	**CIVILIAN**	**OFFICER**	**ENLISTED**	**CIVILIAN**	**OFFICER**	**ENLISTED**	**CIVILIAN**	**TOTAL**
As of 30 SEP 89			12			158				170
End of FY 95			21			275				296

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	
b.	INVENTORY TOTAL AS OF	
c.	AUTHORIZATION NOT YET IN INVENTORY.	
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	$2,100
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f.	PLANNED IN NEXT THREE PROGRAM YEARS	
g.	REMAINING DEFICIENCY.	
h.	GRAND TOTAL	$2,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-786	MENWITH HILL MIDDLE SCHOOL ADDITION	15,120 SF	$2,100	5/87	1/90

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT **DEFENSE** **(DODDS)**	**FY 1991 MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION HARROGATE, UNITED KINGDOM	**4. PROJECT TITLE** MENWITH HILL MIDDLE SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-786	**7. PROJECT NUMBER** 102	**8. PROJECT COST ($000)** $2,100

$1 = .65 POUND **9. COST ESTIMATES**

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	15,120	$105.42	1,594
Middle School Addition	SF	14,120	$110.34	(1,558)
Existing Facility Renovation	SF	1,000	$ 36.00	(36)
Supporting Facilities	LS			284
Utilities	LS			(63)
Heating Plant	LS			(56)
Site Improvement	LS			(46)
Paving	LS			(44)
Communications	LS			(75)
Subtotal				1,878
Contingency (5%)				94
Total Contract Cost				1,972
Supervision, Inspection & Overhead (6.5%)				128
Total Request				2,100

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a pre-engineered, precast, reinforced concrete, masonry or steel frame addition. Project includes 5 general purpose classrooms and a multipurpose room with kitchen/cafeteria. Project also includes intercom system, landscaping, and alterations to the existing building.

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11. REQUIREMENT: 12 Teaching Stations Adequate: 7 Substandard: 5

Project: This project is required to provide an adequate school facility for 275 students, grades K-9. This project supports a new mission and is not eligible for NATO or host nation funding.

CURRENT SITUATION:

Additional student enrollment to a total of 275 is projected due to proposed increases in station personnel. Currently, there is a small, inadequate multipurpose room and no hot lunch program. The classroom currently being used as a media center will be converted to a science lab for higher grades, and the existing undersized multipurpose room will be converted to a media center.

IMPACT IF NOT PROVIDED:

The lack of additional spaces for the increased population will result in a crowded, substandard educational environment less favorable than

...continued on next page...

1. COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2. DATE 7 JAN 1990

3. INSTALLATION AND LOCATION HARROGATE, UNITED KINGDOM	4. PROJECT TITLE MENWITH HILL MIDDLE SCHOOL ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88715-D	730-786	102	$2,100

IMPACT IF NOT PROVIDED (con't):
that afforded children in the U.S.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT **DEFENSE** **(DODDS)**	**FY 1991 MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION HARROGATE, UNITED KINGDOM	**4. PROJECT TITLE** MENWITH HILL MIDDLE SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-786	**7. PROJECT NUMBER** 102	**8. PROJECT COST ($000)** $2,100

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started . . . . MAY 87
(b) Percent Complete as of January 1, 1989. . . . . 65%
(c) Percent Complete as of October 1, 1989. . . . . 35%
(d) Date Design Complete. . . . . JAN 90

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications. . . . . . . ( )
(b) All Other Design Costs. . . . . ( )
(c) Total . . . . (90)
(d) Contract. . . . . (60)
(e) In-House. . . . . (30)

(4) Construction Start . . . . APR 91

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
	NONE		

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 **MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION OVERSEAS, VARIOUS LOCATIONS	**4. PROJECT TITLE** Student Meal Facilities

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-784/5	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)** $15,188

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Student Meal Facilities	LS			$15,188
Supporting Facilities				
Subtotal				$15,188
Contingency (.00%)				
Total Contract Cost				$15,188
Supervision, Inspection & Overhead (.00%)				
Total Request				$15,188

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct pre-engineered, precast, reinforced concrete, masonry or steel frame additions.

11. REQUIREMENT:

These projects are required to provide a student meal program for DoDDS students at schools which do not have an adequate hot lunch program. Projects are listed and described on subsequent pages:

1. COMPONENT DEFENSE (DODDS)	FY 1991 **MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION OVERSEAS, VARIOUS LOCATIONS	**4. PROJECT TITLE** Student Meal Facilities

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-784/5	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)** $15,188

COUNTRY/LOCATION	PROJECT TITLE	COST ($000)
Germany		
Argonner Elementary School	Kitchen Expansion/Multipurpose Room	860

This project is required to provide adequate facilities for a hot lunch program at the Argonner Elementary School. The existing facilities consist of an inadequate kitchen which cannot support a hot lunch program and an adjacent temporary facility which is used as an eating area. Box lunches are currently served. Construction of the kitchen/multipurpose room will provide a more varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Bad Toelz Elementary School	Kitchen/Multipurpose Room	922

This project is required to provide facilities for a hot lunch program at the Bad Toelz Elementary School. No lunch facilities currently exist. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Bremerhaven Elementary School	Kitchen/Multipurpose Room	931

This project is required to provide improved facilities for a hot lunch program at the Bremerhaven Elementary School. The lunch facilities that currently exist conflict with the space required for the physical education program. Construction of this project will significantly improve the student meal program.

Buechel Elementary School	Kitchen/Multipurpose Room	382

This project is required to provide facilities for a hot lunch program at the Buechel Elementary School. No lunch facilities currently exist. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

1.COMPONENT **DEFENSE** **(DODDS)**	**FY 1991 MILITARY CONSTRUCTION**	**2.DATE** 7 JAN 1990

3.INSTALLATION AND LOCATION OVERSEAS, VARIOUS LOCATIONS	**4.PROJECT TITLE** Student Meal Facilities

5.PROGRAM ELEMENT 88715-D	**6.CATEGORY CODE** 730-784/5	**7.PROJECT NUMBER**	**8.PROJECT COST ($000)** $15,188

COUNTRY/LOCATION	PROJECT TITLE	COST ($000)

Germany (Con't)

Bueren Elementary School	Kitchen/Multipurpose Room	573

This project is required to provide facilities for a hot lunch program at the Bueren Elementary School. No lunch facilities currently exist. Students living nearby go home for lunch while bus students bring a sack lunch. Lunch is held in the kindergarten room. A microwave oven is provided for those students desiring a hot lunch. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Crailsheim Elementary/ Junior High School	Multipurpose Room Expansion	406

This project is required to provide facilities for a hot lunch program at the Crailsheim Elementary School. While an adequate kitchen exists, the multipurpose room is inadequate in size. Construction of the multipurpose room will improve the efficiency of the current lunch program.

Delmenhorst Elementary School	Kitchen/Multipurpose Room	478

This project is required to provide facilities for a hot lunch program at the Delmenhorst Elementary School. No lunch facilities currently exist. At present, all students bring sack lunches and eat in their classrooms. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Geilenkirchen Elementary School	Kitchen/Multipurpose Room Expansion	944

This project is required to provide facilities for a hot lunch program at the Geilenkirchen Elementary School. No kitchen facilities currently exist. The existing multipurpose room is inadequate to support both a lunch program and a physical education program. Construction of the kitchen/multipurpose room will

1. COMPONENT DEFENSE (DODDS)	**FY 1991 MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION OVERSEAS, VARIOUS LOCATIONS	**4. PROJECT TITLE** Student Meal Facilities

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-784/5	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)** $15,188

COUNTRY/LOCATION	PROJECT TITLE	COST ($000)

Germany (Con't)

provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Germersheim Elementary School	Kitchen/Multipurpose Room	597

This project is required to provide facilities for a hot lunch program at the Germersheim Elementary School. No lunch facilities currently exist. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Halvorsen Elementary School	Kitchen Addition	478

This project is required to provide facilities for an expanded lunch program at the Halvorsen Elementary School. The existing cafeteria is not large enough to adequately serve the entire student body. Construction of a kitchen addition to the existing multipurpose room will provide a second cafeteria and reduce the long lines and extended lunch periods currently required. If this project is not provided, the current inefficient lunch schedule and serving arrangement will have to be maintained.

Illesheim Elementary School	Multipurpose Room	478

This project is required to provide expanded facilities for the hot lunch program at the Illesheim Elementary School. The existing multipurpose room is inadequate for use as a lunchroom as well as physical education, assemblies and extracurricular activities. If this project is not provided, the current inefficient lunchroom arrangement will have to be maintained.

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 **MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION OVERSEAS, VARIOUS LOCATIONS	**4. PROJECT TITLE** Student Meal Facilities

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-784/5	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)** $15,188

COUNTRY/LOCATION	PROJECT TITLE	COST ($000)

Germany (Con't)

Kieselbronn Elementary School	Kitchen/Multipurpose Room	478

This project is required to provide facilities for a hot lunch program at the Kieselbronn Elementary School. No lunch facilities currently exist. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Leipheim Elementary School	Kitchen/Multipurpose Room	478

This project is required to provide facilities for a hot lunch program at the Leipheim Elementary School. No lunch facilities currently exist. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Ludwigsburg Elementary School	Kitchen	573

This project is required to provide facilities for a hot lunch program at the Ludwigsburg Elementary School. No kitchen facilities currently exist. Bag lunches are provided by AAFES and delivered to the school. Construction of the kitchen will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Memmingen Elementary School	Kitchen/Multipurpose Room	478

This project is required to provide facilities for a hot lunch program at the Memmingen Elementary School. No lunch facilities currently exist. Students who do not go home for lunch bring bag lunches. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

1. COMPONENT DEFENSE (DODDS)	FY 1991 MILITARY CONSTRUCTION	2. DATE 7 JAN 1990

3. INSTALLATION AND LOCATION OVERSEAS, VARIOUS LOCATIONS	4. PROJECT TITLE Student Meal Facilities

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784/5	7. PROJECT NUMBER	8. PROJECT COST ($000) $15,188

COUNTRY/LOCATION	PROJECT TITLE	COST ($000)

Germany (Con't)

Muenster Elementary School	Kitchen/Multipurpose Room	573

This project is required to provide facilities for a hot lunch program at the Muenster Elementary School. No lunch facilities currently exist. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Noervenich Elementary School	Kitchen/Multipurpose Room	573

This project is required to provide facilities for a hot lunch program at the Noervenich Elementary School. No lunch facilities currently exist. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Osterholz Elementary/High School	Kitchen Expansion	382

This project is needed to provide improved and expanded kitchen facilities at the Osterholz Elementary/High School. The current kitchen and multipurpose room are shared by the elementary and the high school. While the multipurpose room is adequate in size, the kitchen is serving at three times its intended capacity. Students must eat in several sittings, beginning as early as 10:50 a.m. and ending as late as 2:10 p.m. If this project is not provided, the current inefficient lunch schedule and serving arrangement will have to be maintained.

Regensburg Elementary School	Kitchen/Multipurpose Room	478

This project is required to provide facilities for a hot lunch program at the Regensburg Elementary School. No lunch facilities currently exist. Construction of the kitchen will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 **MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION OVERSEAS, VARIOUS LOCATIONS	**4. PROJECT TITLE** Student Meal Facilities

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-784/5	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)** $15,188

COUNTRY/LOCATION	PROJECT TITLE	COST ($000)

Germany (Con't)

Stuttgart High School	Kitchen/Multipurpose Room	931

This project is required to provide adequate facilities for a hot lunch program at Stuttgart High School. Currently, students bring bag lunches, eat at an overcrowded pizzeria nearby, or buy cold snacks from a student-operated snack stand. The addition of kitchen/ multipurpose room will provide a varied and nutritionally balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Trier Elementary School	Kitchen/Multipurpose Room	716

This project is required to provide facilities for a hot lunch program at the Trier Elementary School. No lunch facilities currently exist. Children bring bag lunches and eat in the classrooms. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Weierhof Elementary School	Kitchen/Multipurpose Room	669

This project is required to provide facilities for a hot lunch program at the Weierhof Elementary School. No lunch facilities currently exist. Construction of the kitchen will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

Wetzel Elementary School	Kitchen/Multipurpose Room	931

This project is required to provide facilities for a hot lunch program at the Wetzel Elementary School. No lunch facilities currently exist. Construction of the kitchen/multipurpose room will provide a varied and nutritionally-balanced student meal program. If this project is not provided, the lack of a hot lunch program will continue to be a source of dissatisfaction for parents and the military community.

1. COMPONENT **DEFENSE** **(DODDS)**	FY 1991 **MILITARY CONSTRUCTION**	**2. DATE** 7 JAN 1990

3. INSTALLATION AND LOCATION OVERSEAS, VARIOUS LOCATIONS	**4. PROJECT TITLE** Student Meal Facilities

5. PROGRAM ELEMENT 88715-D	**6. CATEGORY CODE** 730-784/5	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)** $15,188

COUNTRY/LOCATION	PROJECT TITLE	COST ($000)
Spain		
Rota Elementary/High	Kitchen/Multipurpose Room	879

This project is required to provide adequate facilities for a hot lunch program at the Rota Elementary/High School. Currently, lunch is brought in by truck to the existing multipurpose room so that serving lines, tables and chairs must be set up and taken down each schoolday. The time required to set up and serve lunch and the space utilized by the tables and chairs for storage space severely limits the use of the multipurpose room for other activities. If this project is not provided, the current inefficient lunch arrangements will have to be maintained.

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MARYLAND		
NATIONAL SECURITY AGENCY		
FORT MEADE		
BLDG 9805 ADDITION	3,425	
LOW VOLT POWER UPGRADE	8,221	
OPS 2A COOLING TOWER	1,800	
SUBSTATION 1 UPGRADE	6,025	
FORT MEADE		19,471
TOTALS		
ARMY		
NAVY		
AIR FORCE		
DEFENSE AGENCIES		19,471
INSIDE THE UNITED STATES		19,471

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
OVERSEAS CLASSIFIED		
NATIONAL SECURITY AGENCY		
CLASSIFIED OVERSEAS LOCATIONS		
CLASSIFIED PROJECT	2,375	
CLASSIFIED OVERSEAS LOCATIONS		2,375

TOTALS

ARMY	
NAVY	
AIR FORCE	
DEFENSE AGENCIES	2,375
SPECIFIED OUTSIDE THE UNITED STATES	2,375

1. COMPONENT NSA/CSS Defense	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE 20 Dec 89
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland	4. COMMAND NSA/CSS	5. AREA CONSTR COST INDEX 0.92

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF b. END FY 19	CLASSIFIED									

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	438.3 Acres	
b. INVENTORY TOTAL AS OF	30 Sept 88	225,587
c. AUTHORIZATION NOT YET IN INVENTORY	Plus FY 1989 & 1990 Programs	201,974
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		19,471
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		28,337
f. PLANNED IN NEXT THREE PROGRAM YEARS		40,676
g. REMAINING DEFICIENCY		449,580
h. GRAND TOTAL		965,625

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141	OPS 2 Cooling Towers	3,200 TN	1,800	10/88	7/90
813	Substation 1 Upgrade	53,400 KVA	6,025	8/88	3/90
813	Low Voltage Power Upgrade	20,000 KVA	8,221	10/88	3/90
610	Building 9805 Addition	23,000 SF	3,425	3/88	11/89

9. FUTURE PROJECTS:

a. Included in the following program (FY92): $8.0M SAB 3 Addition/ Fire Protection, $7.7M SAB 1 Modernization, $3.3M Motor Pool, $1.9M Stormwater Control, $7.5M SAB 4 Addition.

b. Included in the next two years (FY93 and 94): $15.2M Emergency Generators, $19.5M SAB 5, $5.9M Visitor Control Center.

10. MISSION OR MAJOR FUNCTIONS:

Agency Activities are classified.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
a. Air Pollution	-0-
b. Water Pollution	-0-
c. Occupational Safety and Health	-0-

1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89

3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland	4. PROJECT TITLE Building 9805 Addition

5. PROGRAM ELEMENT 31011G NFIP	6. CATEGORY CODE 610	7. PROJECT NUMBER 1410-6	8. PROJECT COST ($000) $3,425

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,696
Building Addition	SF	23,000	90	(2,061)
Modify Building 9805	LS			(635)
Supporting Facilities	LS			381
Subtotal				3,077
Contingency 5%				154
Total Contract Cost				3,231
Supervision, Inspection, & Overhead (6%)				194
Total Request				3,425

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Project will provide a 23,000 SF CMU/Brick Addition to Building 9805 containing office space, classrooms, and conference rooms.

11. REQUIREMENT: 55,240 SF; Adequate: 32,240 SF; Substandard: -0-

PROJECT DESCRIPTION: A 23,000 SF Addition to an existing building including extending utilities and modifications to the existing building to accept the addition. Project includes necessary sidewalk, gutter, and pavement modifications. (Current Mission)

REQUIREMENT: The project is required to provide facilities for the Service Cryptologic Elements (SCEs) that provide personnel support to the National Security Agency. The proposed project will permit consolidation of the Headquarters of the Army, Navy, Air Force, and Marine Corps Elements and free the enlisted barracks space now diverted for their use.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE Building 9805 Addition		5. PROJECT NUMBER 1410-6

CURRENT SITUATION: Building 9805 is a 32,240 square foot permanent facility located adjacent to the SCEs enlisted barracks. The building is 23,000 square feet less than the space required to house the SCEs headquarters elements. Over 200 enlisted barracks spaces are now diverted to supplement the space in Building 9805. The diversion of these barracks spaces has resulted in the payment of quarters allowances to service members who cannot be housed in the barracks. The introduction of headquarters traffic into the barracks has increased the noise to an unacceptable level. This has had a negative impact on troop morale as many of these personnel are shift workers.

IMPACT IF NOT PROVIDED: No space currently exists to provide the support required by the SCEs. If this project is not provided, critically required barracks space will continue to be used creating crowded living conditions with associated morale problems and continued payment of quarters allowance. SCEs personnel are forced to work in inadequate spaces resulting in inefficiency and reduced effectiveness.

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1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE Building 9805 Addition		5. PROJECT NUMBER 1410-6

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Mar 88
b. Percent Complete as of January 1, 1990	100%
c. Percent Complete as of October 1, 1990	100%
d. Date Design Complete	Nov 89

2. BASIS

a. Standard or Definite Design - Yes ____ No X
b. Where Design Was Most Recently Used N/A

3. COST (Total) = c = a+b = d+e	($000)
a. Production of Plans and Specifications	(180)
b. All Other Design Costs	(81)
c. Total	(261)
d. Contract	(180)
e. In-house	(81)

4. CONSTRUCTION START Feb 91 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
N/A			

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1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89

3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland	4. PROJECT TITLE Low Voltage Power Upgrade

5. PROGRAM ELEMENT 31011G NFIP	6. CATEGORY CODE 813	7. PROJECT NUMBER 1750-7	8. PROJECT COST ($000) $8,221

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,410
North Vault	LS			(3,460)
South Vault	LS			(2,950)
Supporting Facilities				977
Electrical Demolition	LS			(341)
13.8 KV Feeders	LS			(423)
Chiller Feeders	LS			(213)
Subtotal				7,387
Contingency (5%)				369
Total Contract Cost				7,756
SIOH (6%)				465
Total Request				8,221

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will construct two reinforced concrete electrical utility vaults adjacent to the basement of the OPS 1 Building. Each vault will be a 1-story rectangular building with 16 foot slab-to-slab height. The proposed structure is steel column and joist with metal deck and light-weight concrete topping. One 8800 SF vault located at the northeast corner will be populated with three electrical substations (12,500 KVA), and one 7,500 SF vault located at the southwest corner will have three substations (7,500 KVA).

11. REQUIREMENT: 20,000 KVA; Adequate: -0-; Substandard: -0-

Project: This project provides two new utility vaults which will house a total of six new secondary electrical substations, and which will accomodate all switchgear, primary electrical service, and future UPS equipment. (Current Mission)

Requirement: Due to the proliferation of electronic equipment used in supporting Agency operations, the electrical loads in the OPS 1 Building are increasing at a rate in excess of 8% per year. Therefore, additional electrical substations and related building space must be provided to accomodate increased demand.

1. COMPONENT NSA/CSS Defense	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89

3. INSTALLATION AND LOCATION

Fort George G. Meade, Maryland

4. PROJECT TITLE Low Voltage Power Upgrade	5. PROJECT NUMBER 1750-7

Current Situation: The original substations are currently operating at or are near their double-ended ratings, and capacity to handle additional electronic loads is not available without exceeding these ratings. Also, the configuration of the present building utility cores will not permit installation of any additional substations.

Impact If Not Provided: It is imperative to furnish increased capacity to support future load requirements. Otherwise load must be shed during emergencies or maintenance periods, with the potential loss of critical mission.

1. COMPONENT NSA/CSS Defense	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE Low Voltage Power Upgrade		5. PROJECT NUMBER 1750-7

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Oct 88
b. Percent Complete as of January 1, 1990	80%
c. Percent Complete as of October 1, 1990	100%
d. Date Design Complete	Mar 90

2. BASIS

a. Standard or Definite Design - Yes ____ No X

b. Where Design Was Most Recently Used ________

3. COST (Total) = c = a+b = d+e

	($000)
a. Production of Plans and Specifications	(302)
b. All Other Design Costs	(93)
c. Total	(395)
d. Contract	(336)
e. In-house	(59)

4. CONSTRUCTION START Feb 91 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
N/A			

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1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89

3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland	4. PROJECT TITLE OPS 2 Cooling Towers

5. PROGRAM ELEMENT 31011G NFIP	6. CATEGORY CODE 141	7. PROJECT NUMBER 1557-7	8. PROJECT COST ($000) $1800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1617
(2-1600 Ton Cooling Towers)				
Structural	LS			(601)
Mechanical	LS			(902)
Electrical	LS			(114)
Subtotal				1617
Contingency (5%)				81
Total Contract Cost				1698
Supervision, Inspection & Overhead (6%)				102
Total Request				1800

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide two new cooling towers to handle 3200 tons of additional cooling capacity to existing cooling plant in Operations Building 2A.

11. Requirement: 8000 Tons: Adequate 4800 Tons; Substandard: -0- Tons

Project: This project will provide two 1600 ton cooling towers to match the existing Operations Building 2A Towers. (Current Mission)

Requirement: The additional towers, including controls, piping, etc. are required to bring total cooling tower capacity up to existing chiller capacity with back-up capabilities.

Current Situation: The Operations Building 2A presently has three 1600 ton cooling towers on the roof with space provided for the two new 1600 ton cooling towers. The Operations Building 2A includes a 1200 ton deficit in cooling tower capacity compared to existing chiller load. Although 1200 tons is required to meet the deficit, an engineering economics analysis supports the choice of a matching 1600 ton unit. This project will provide one 1600 ton unit which is required for full chiller operation. The second 1600 ton unit will provide sufficient back-up in the event of tower failure and is essential to the performance of required preventive maintenance.

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1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE OPS 2 Cooling Towers		5. PROJECT NUMBER 1557-7

Impact If Not Provided: If these cooling towers are not provided, Operations Building 2A will not have sufficient cooling tower capacity nor the opportunity for maintenance without hindering the cooling requirements for the increased use of new computers.

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1. COMPONENT		2. DATE
NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	20 Dec 89

3. INSTALLATION AND LOCATION
Fort George G. Meade, Maryland

4. PROJECT TITLE	5. PROJECT NUMBER
OPS 2 Cooling Towers	1557-7

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Oct 88
b. Percent Complete as of January 1, 1990	40%
c. Percent Complete as of October 1, 1990	100%
d. Date Design Complete	Jul 90

2. BASIS

a. Standard or Definite Design - Yes ____ No X
b. Where Design Was Most Recently Used N/A

3. COST (Total) = c = a+b = d+e	($000)
a. Production of Plans and Specifications	(85)
b. All Other Design Costs	(5)
c. Total	(90)
d. Contract	(0)
e. In-house	(90)

4. CONSTRUCTION START Feb 91 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
N/A			

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1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89

3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland	4. PROJECT TITLE Substation 1 Upgrade

5. PROGRAM ELEMENT 31011G NFIP	6. CATEGORY CODE 813	7. PROJECT NUMBER 1290-8	8. PROJECT COST ($000) $6,025

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facilities				5413
Substation 1 Upgrade	LS	—	—	(4058)
Switchgear Replacement	LS	—	—	(1140)
Feeders	LS	—	—	(215)
Subtotal				5413
Contingency (5%)				271
Total Contract Cost				5684
Supervision, Inspection, and Overhead (6%)				341
Total Request				6025

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project replaces existing Substation 1, which has a current capacity of two 20,000 KVA transformers (26,700 KVA fan cooled), with two transformers of 40,000 KVA capacity (53,400 KVA fan cooled). The existing medium voltage switchgear at Substation 1 will be replaced with new switchgear with a higher interrupting capacity. New switchgear will be integrated with other existing substations to provide a flexible power distribution grid.

11. REQUIREMENT: 42,720 KW (53,400 KVA); Adequate: 21,360 KW (26,700 KVA); Substandard: -0-

Project: This project will provide additional capacity at Substation 1 that will be used to increase the power supply at Operations Building 1. (Current Mission)

Requirement: This project is required to provide the additional power to accommodate future electronic machine growth in Operations Building 1.

Current Situation: Substation 1 is a double-ended substation with two transformers rated at 26,700 KVA. Present load is 30,000 KVA. Expected electronic and cooling capacity load in Operations Building 1 and Headquarters Building will increase the load on this substation to

1. COMPONENT NSA/CSS Defense	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89

3. INSTALLATION AND LOCATION
Fort George G. Meade, Maryland

4. PROJECT TITLE Substation 1 Upgrade	5. PROJECT NUMBER 1290-8

45,000 KVA by 1993. Although the Headquarters Building will be removed from this substation in 1991, considerable electronic load growth expected within Operations Building 1 through the year 2000 will push the load up to 50,000 KVA. The existing Substation 1 is over 30 years old and nearing the end of its useful life. With the interconnections necessary to assure reliable electrical service, the available fault current exceeds the rating of this switchgear.

Impact If Not Provided: If this project is not completed as part of the FY 1991 Program, there will not be adequate power to supply projected growth within Operations Building 1, and maintain a reliable electrical system. If maintenance is required, one-half of the Operations Building 1 will have to be shut down and mission operations will be degraded.

1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE Substation 1 Upgrade		5. PROJECT NUMBER 1290-8

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Aug 88
b. Percent Complete as of January 1, 1990	60%
c. Percent Complete as of October 1, 1990	100%
d. Date Design Complete	Mar 90

2. BASIS

a. Standard or Definite Design - Yes ____ No X

b. Where Design Was Most Recently Used ________

3. COST (Total) = c = a+b = d+e	($000)
a. Production of Plans and Specifications	(256)
b. All Other Design Costs	(51)
c. Total	(307)
d. Contract	(256)
e. In-house	(51)
4. CONSTRUCTION START	Feb 91 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
N/A			

1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 20 Dec 89

3. INSTALLATION AND LOCATION Classified Activities Classified Locations	4. COMMAND NSA/CSS	5. AREA CONSTR COST INDEX Varies

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF			C L	A S	S I	F I	E D			
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
841	Water Storage	800KG	2,375	5/89	10/90

9. FUTURE PROJECTS

a. Included in the following program (FY92): $2.9M Unaccompanied Housing, $2.5M Expand Heat Plant, $2.0M Water Storage, $1.0M Classified Project.
b. Included in the next two years (FY93 & 94): $6.6M Classified Project.

10. MISSION OR MAJOR FUNCTIONS:

Agency Activities are classified.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a.	Air Pollution	-0-
b.	Water Pollution	-0-
c.	Occupational Safety and Health	-0-

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF. PAGE NO

1. COMPONENT NSA/CSS Defense	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89

3. INSTALLATION AND LOCATION Classified Activity Classified Location	4. PROJECT TITLE Water Storage

5. PROGRAM ELEMENT 31011G NFIP	6. CATEGORY CODE 841	7. PROJECT NUMBER 0181-8	8. PROJECT COST ($000) $2,375

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Storage Tanks	KG	800	1,440	1,132
Supporting Facilities				1,002
Distribution Piping	LS			(650)
Ancillary Pump Stations	LS			(308)
Demolition	LS			(44)
Total Cost				2,134
Contingency (5%)				107
Estimated Contract Cost				2,241
Supervision, Inspection & Overhead (6%)				134
Total				2,375

10. DESCRIPTION OF PROPOSED CONSTRUCTION

The construction consists of 300 kilo-gallons of elevated and 500 kilo-gallons of ground level water storage tanks which will provide all water requirements and fire protection for operation of station mission and residential facilities. This facility will be supported by an upgraded water distribution system and ancillary pumping stations. Once the new tanks are completed and operational, the existing tank will be demolished.

11. REQUIREMENT: 800 KG; Adequate: -0-; Substandard: 100 KG

Project: This project will provide 800 KG of water storage tanks and associated distribution piping, and pump stations. (Current Mission)

Requirement: The station is currently supplied by one 100 KG elevated water storage tank. All station water requirements including firefighting capability are derived from the pressure and supply provided by this tank. Current reserves provided by this tank are 6.5 hours for firefighting or 24 hours for normal base operations.

The age of the existing system requires frequent maintenance; coupled with irregular supply by the local utility, often even the minimum back-up hours are not available.

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1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89
3. INSTALLATION AND LOCATION Classified Activity Classified Location		
4. PROJECT TITLE Water Storage		5. PROJECT NUMBER 0181-8

Requirement Continued: The station has recently added 50,000 new square feet of operations space and 20 new housing units. Another 120,000 square feet of operations and another 40 units of unaccompanied personnel housing are scheduled for construction in the next five years.

Current Situation: The water authority often stops pumping to the station, either due to pump failure or operating procedures. This causes the supply to drop at an accelerated rate. There is no way to place a flow alarm or any other device on the supply side because pumping from off-station is done sporadically. The 24 hour reserve capacity is usually diminished to 4-12 hours or less before the local authorities respond to the problem. This water supply is the main supply and is used for both mission operations, and residential use.

Impact If Not Provided: The local water authority will continue to shut water off to the station, without notice. This will cause the station to stop mission related activities, which could be of a critical nature. In addition, it will cause a serious health problem to the personnel both working and living on station.

Additional: This project supports U.S. mission and residents and is not eligible for Host Nation funding. This project is not included in the NATO Infrastructure program.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF. PAGE NO

1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Dec 89

3. INSTALLATION AND LOCATION
Classified Activity
Classified Location

4. PROJECT TITLE Water Storage	5. PROJECT NUMBER 0181-8

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	May 89
b. Percent Complete as of January 1, 1990	40%
c. Percent Complete as of October 1, 1990	100%
d. Date Design Complete	Oct 90

2. BASIS

a. Standard or Definite Design - Yes ____ No X
b. Where Design Was Most Recently Used N/A

3. COST (Total) = c = a+b = d+e	($000)
a. Production of Plans and Specifications	(111)
b. All Other Design Costs	(32)
c. Total	(143)
d. Contract	(111)
e. In-house	(32)

4. CONSTRUCTION START Mar 91 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
N/A			

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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES ($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
SPECIAL OPERATIONS COMMAND		
CORONADO NAVAL AMPHIBIOUS BASE		
DESERT OPERATIONS FACILITY	7,680	
MARITIME TRAINING FACILITY	4,900	
WATERFRONT MAINTENANCE & OPERATIONS FAC	8,440	
CORONADO NAVAL AMPHIBIOUS BASE		21,020
FLORIDA		
SPECIAL OPERATIONS COMMAND		
EGLIN AFB		
AERIAL DELIVERY FACILITY	3,500	
IMPROVE BASE ROADS	1,500	
MOBILITY CENTER	3,550	
PHYSICAL FITNESS CENTER	3,200	
EGLIN AFB		11,750
GEORGIA		
SPECIAL OPERATIONS COMMAND		
FORT STEWART/HUNTER AAF		
SPECIAL OPERATIONS FORCES HEADQUARTERS	1,900	
TACTICAL EQUIPMENT SHOP	3,000	
FORT STEWART/HUNTER AAF		4,900
PENNSYLVANIA		
SPECIAL OPERATIONS COMMAND		
NORRISTOWN		
ADD/ALT ARMY RES CTR/MAINTENANCE FACILITY	2,598	
NORRISTOWN		2,598
VIRGINIA		
SPECIAL OPERATIONS COMMAND		
DAM NECK MARINE ENVIRONMENTAL SYSTEMS FAC		
OPERATIONS & MAINTENANCE FACILITY	9,160	
DAM NECK MARINE ENVIRONMENTAL SYSTEMS FAC		9,160
CONUS CLASSIFIED		
SPECIAL OPERATIONS COMMAND		
CLASSIFIED LOCATION		
ADD/ALT MAINTENANCE SHOPS	547	

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CONUS CLASSIFIED		
SPECIAL OPERATIONS COMMAND		
CLASSIFIED LOCATION		
AVIONICS SHOP	2,200	
CLASSIFIED LOCATION		2,747

TOTALS

ARMY	
NAVY	
AIR FORCE	
DEFENSE AGENCIES	52,175
INSIDE THE UNITED STATES	52,175

1. COMPONENT DEFENSE USSOCOM	FY 1991 MILITARY CONSTRUCTION PROGRAM (computer generated)	2. DATE JAN 90
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	4. COMMAND COMMANDER IN CHIEF PACIFIC FLEET	5. AREA CONST COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 88	537	3,243	190	115	679	0	78	1,276	0	6,118
b. End FY 1994	591	3,383	213	196	1,207	0	101	2,134	0	7,835

7. INVENTORY DATA ($000)

a. Total Acreage: (1,065)	
b. Inventory Total As Of: (30 SEP 88)	57,190
c. Authorization Not Yet In Inventory:	28,890
d. Authorization Requested In This Program:	29,490
e. Authorization Included In Following Program: (FY 92)	5,000
f. Planned In Next Three Program Years:	10,100
g. Remaining Deficiency:	83,650
h. Grand Total:	214,320

8. PROJECTS REQUESTED IN THIS PROGRAM: FY 91

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	CMPL
171.20	DESERT OPERATIONS FACILITY	38,120 SF	7,680	06/89	06/90
171,20	MARITIME TRAINING FACILITY	15,000 SF	4,900	06/89	06/90
211.06	LCAC SPT CPX (CP PEND)	LS	8,470	--	
213.30	WATERFRONT MAINT & OPS FAC	60,910 SF	8,440	11/88	01/90
		TOTAL:	29,490		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

211.05	LCAC COMPLEX	LS	5,000
	TOTAL		5,000

B. MAJOR PLANNED NEXT THREE YEARS:

171.20	AMPHIBIOUS WAR TACT TRNG	LS	2,300
159.64	WATERFRONT OPS BLDG	114,440 SF	7,800

10. MISSION OR MAJOR FUNCTIONS:

Provides logistic support for commands of the surface forces, amphibious warfare forces, and training commands at Coronado.

Commander Surface Forces, US Pacific Fleet	Landing Ship Flotilla
Commander Amphibious Training Command, Pacific	Amphibious School
Amphibious Construction Battalion	SEAL Teams
Underwater Demolition Teams	Beach Groups and Units

11. Outstanding pollution and safety (OSH) deficiencies: ($000

a. Air pollution:	320
b. Water pollution:	30
c. Occupational safety and health:	0

1. COMPONENT DEFENSE (USSOCOM)	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	4. PROJECT TITLE DESERT OPERATIONS FACILITY

5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-179	8. PROJECT COST ($000) 7,680

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DESERT OPERATIONS FACILITY	SF	38,120	-	4,740
BUILDING	SF	38,120	105.00	(4,000)
HELICOPTER PADS.	SY	2,200	114.00	(590)
BUILT-IN EQUIPMENT	LS	-	-	(150)
SUPPORTING FACILITIES.	-	-	-	2,160
ELECTRICAL UTILITIES	LS	-	-	(340)
MECHANICAL UTILITIES	LS	-	-	(1,230)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(590)
SUBTOTAL	-	-	-	6,900
CONTINGENCY (5%)	-	-	-	350
TOTAL CONTRACT COST.	-	-	-	7,250
SUPERVISION, INSPECTION & OVERHEAD (6%). . .	-	-	-	430
TOTAL REQUEST.	-	-	-	7,680
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete frame building, masonry walls, concrete foundation and floors, built-up roof, utilities, septic tank, fire protection system, ventilation, diesel engine generator; two helicopter pads; demolition of one building.

11. REQUIREMENT: 38,120 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a desert training and berthing facility for 120 personnel assigned to Naval Special Desert Warfare Training in Niland, California. (New mission.)

REQUIREMENT: Adequate facilities to support Naval Amphibious Base Coronado's mission to provide facilities for the Naval Special Warfare Forces, in direct support of the Department of Defense initiative to accelerate, develop, and broaden special warfare operational capabilities.

CURRENT SITUATION: Naval Special Warfare Group One's present training camp area is no longer adequate in size to support the present and projected numbers of platoons assigned. The existing camp does not conform with local land use regulations.

IMPACT IF NOT PROVIDED: The existing camp could be disestablished because of land use violations. Special warfare forces would have no available adequate training site, adversely affecting the overall mission capability of the Special Operating Forces.

(Continued on DD 1391c)

1. COMPONENT DEFENSE (USSOCOM)	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA		
4. PROJECT TITLE DESERT OPERATIONS FACILITY		5. PROJECT NUMBER P-179

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
(a) Date Design Started.......................... 6-89
(b) Percent Complete as of January 1990.......... 60
(c) Date Design 35% Complete..................... 11-89
(d) Date Design Complete......................... 4-90

(2) Basis:
(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (290)
(b) All Other Design Costs........................ (220)
(c) Total... 510
(d) Contract...................................... (485)
(e) In-house...................................... (25)

(4) Construction start.......................... 12-90
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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1. COMPONENT DEFENSE (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	4. PROJECT TITLE MARITIME TRAINING FACILITY

5. PROGRAM ELEMENT 1100010N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-180	8. PROJECT COST ($000) 4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MARITIME TRAINING FACILITY.	SF	25,450	-	2,960
MULTI-USE BUILDING.	SF	18,120	111.00	(2,010)
AMBHIBIOUS VEHICLE MAINTENANCE BUILDING . .	SF	5,000	120.00	(600)
OPERATIONAL VEHICLE GARAGE.	SF	1,350	80.00	(110)
READY MAGAZINE.	SF	980	196.00	(190)
LANDING CRAFT RAMP.	LS	-	-	(50)
SUPPORTING FACILITIES	-	-	-	1,440
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
UTILITIES	LS	-	-	(690)
PAVING AND SITE IMPROVEMENT	LS	-	-	(700)
SUBTOTAL.	-	-	-	4,400
CONTINGENCY (5%).	-	-	-	220
TOTAL CONTRACT COST	-	-	-	4,620
SUPERVISION, INSPECTION & OVERHEAD (6%) . . .	-	-	-	280
TOTAL REQUEST	-	-	-	4,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story training, applied instruction, housing, and storage building; one one-story vehicle maintenance building; one operational vehicle garage building; one magazine, steel frame, concrete floors, masonry walls, built-up roofs on rigid insulation over concrete on metal decking, pile foundations, fire protection systems, ventilation and air conditioning, utilities; boat ramp; perimeter security.

11. REQUIREMENT: 25,450 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a maritime training facility on San Clemente Island. (New Mission.)

REQUIREMENT: Adequate year-round facilities for training Naval Special Warfare Forces in land and underwater demolition, land warfare, hydrographic reconnaissance, communications, and seal delivery vehicle operations.

CURRENT SITUATION: Facilities are not available on San Clemente Island to support this vital training. Limited training is now conducted at Coronado using already overcrowded facilities. Because of surf conditions, small boats must be launched in San Diego bay and transit the entire bay before arriving in the training area.

IMPACT IF NOT PROVIDED: Continue to utilize current training procedures with facilities at Coronado, which limits training, adversely affecting the operational readiness of the Special Operating Forces.

(Continued on DD 1391c)

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1. COMPONENT DEFENSE (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA

4. PROJECT TITLE MARITIME TRAINING FACILITY	5. PROJECT NUMBER P-180

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design GUide.")

(1) Status:
(a) Date Design Started.......................... 5-89
(b) Percent Complete as of January 1990........... 30
(c) Date Design 35% Compelte...................... 4-90
(d) Date Design Complete.......................... 7-90

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.......(260)
(b) All Other Design Costs.........................(260)
(c) Total..(520)
(d) Contract.......................................(450)
(e) In-house.......................................(70)

(4) Construction start...................... 1-91
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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1. COMPONENT DEFENSE (USSOCOM)	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	4. PROJECT TITLE WATERFRONT MAINTENANCE AND OPERATIONS FACILITY

5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 213.30	7. PROJECT NUMBER P-150	8. PROJECT COST ($000) 8,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATERFRONT MAINTENANCE AND OPERATIONS FAC. .	SF	60,910	-	6,600
MAINTENANCE BUILDING	SF	44,910	108.00	(4,850)
OPERATIONS BUILDING.	SF	16,000	109.00	(1,750)
SUPPORTING FACILITIES.	-	-	-	980
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(180)
UTILITIES.	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(480)
DEMOLITION	LS	-	-	(200)
SUBTOTAL	-	-	-	7,580
CONTINGENCY (5%)	-	-	-	380
TOTAL CONTRACT COST.	-	-	-	7,960
SUPERVISION, INSPECTION & OVERHEAD (6%). . .	-	-	-	480
TOTAL REQUEST.	-	-	-	8,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story and one one-story steel frame buildings, pile foundations, masonry walls, concrete floors, built-up roof over concrete on metal decking, utilities, fire protection system, air conditioning and ventilation; watchtower; bulkhead repair; demolition of eleven buildings.

11. REQUIREMENT: 125,760 SF. ADEQUATE: 64,850 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides waterfront operational, maintenance, and administrative facilities to support the mission of Special Boat Squadron ONE (SPECBOATRON ONE) and Naval Special Warfare Group ONE (NAVSPECWARGRU ONE). (Current mission.)

REQUIREMENT: Adequate and properly-configured facilities to support the operational craft and administrative needs of SPECBOATRON ONE, and provide a maintenance facility for NAVSPECWARGRU ONE vehicles, electronics, and parachute equipment. SPECBOATRON ONE is tasked with operating and maintaining specialized Special Warfare craft. A new mission requirement to operate Patrol Boat-Multipurpose (PBM) was recently mandated by the Chief of Naval Operations. NAVSPECWARGRU ONE's vehicle allowance consists of 224 pieces of various equipment.

CURRENT SITUATION: SPECBOATRON ONE currently occupies single-story structures built in 1944 and originally constructed to meet World War II requirements. These facilities neither conform to safety, building, or fire codes. Floor plans configuration do not meet basic facility requirements or provide for proper maintenance of existing craft. No facilities exist in which to maintain components of the new PBM's.

(Continued on DD 1391c)

1. COMPONENT DEFENSE (USSOCOM)	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA		
4. PROJECT TITLE WATERFRONT MAINTENANCE AND OPERATIONS FACILITY		5. PROJECT NUMBER P-150

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: The activity cannot support mandated PBM tasking. Activity's mission and operational readiness will continue to be hampered by nonavailabilty of adequate facilities within which to perform maintenance.

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started	2-89
(b) Percent Complete as of January 1990	60
(c) Date Design 35% Complete	10-89
(d) Date Design Complete	2-90

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X

(b) Where Design Was Most Recently Used: N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	(425)
(b) All Other Design Costs	(210)
(c) Total	635
(d) Contract	(595)
(e) In-house	(40)

(4) Construction start: 12-90 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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1. COMPONENT DEFENSE USSOCOM	FY 1991 MILITARY CONSTRUCTION PROGRAM (computer generated)	2. DATE JAN 90
3. INSTALLATION AND LOCATION· EGLIN AUXILIARY FIELD NO 9, FLORIDA	4. COMMAND MILITARY AIRLIFT COMMAND	5. AREA CONST COST INDEX 0.82

6. PERSONNEL	PERMANENT			STUDENTS			SUPPORTED			
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 88	636	3667	381	508	768	56	64	18		6,098
b. End FY 1994	650	4375	392	508	768	56	64	18		6,831

7. INVENTORY DATA ($000)

a. Total Acreage: (6,633)	
b. Inventory Total As Of: (30 SEP 88)	51,160
c. Authorization Not Yet In Inventory:	5,750
d. Authorization Requested In This Program:	11,750
e. Authorization Included In Following Program: (FY 92)	12,370
f. Planned In Next Three Program Years:	0
g. Remaining Deficiency:	0
h. Grand Total:	81,030

8. PROJECTS REQUESTED IN THIS PROGRAM: FY 91

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	CMPL
141-232	SOF-AERIAL DELIVERY FACILITY	25,100 SF	3,500	APR 89	APR 90
141-454	SOF-MOBILITY CENTER	39,000 SF	3,550	NOV 88	APR 90
740-674	SOF-PHYSICAL FITNESS CENTER	29,800 SF	3,200	APR 89	APR 90
851-147	SOF-IMPROVE BASE ROADS	LS	1,500	SEP 88	APR 90
		TOTAL:	11,750		

9a. Future Projects: Included in the Following Program (FY 92)

171-152	SOF SPECIAL OPERATIONS SCHOOL	23,800 SF	2,900
171-623	ADD TO AND ALTER TACTICAL TRAINING CENTER	17,000 SF	2,000
211-157	SOF ADD TO AND ALTER AIRCRAFT ENGINE INSPECTION & REPAIR SHP	6,850 SF	630
218-712	SOF ADD TO AND ALTER AIRCRAFT SUPPORT EQUIPMENT SHOP/STORAGE	8,750 SF	590
721-312	SOF-DORMITORY	60,000 SF	5,500
740-884	ADD TO CHILD DEVELOPMENT CENTER	6,000 SF	750
		TOTAL:	12,370

9b. Future Projects: Typical Planned Next Three Years:

10. Mission or Major Functions: Supports an air division, a Special Operations Wing, the USAF Special Operations School, the Special Missions Operational Test and Evaluation Center, and a tactical control group which includes the USAF Air-Ground Operations School.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

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1. COMPONENT DEFENSE USSOCOM	FY 1991 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE JAN 90

3. INSTALLATION AND LOCATION EGLIN AUXILIARY FIELD NO 9, FLORIDA	4. PROJECT TITLE SOF-AERIAL DELIVERY FACILITY

5. PROGRAM ELEMENT B.10.11	6. CATEGORY CODE 141-232	7. PROJECT NUMBER FTEV913000	8. PROJECT COST($000) 3,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SOF-AERIAL DELIVERY FACILITY	SF	25,100	106	2,660
SUPPORTING FACILITIES				470
UTILITIES	LS			(155)
PAVEMENTS	LS			(140)
SITE IMPROVEMENTS	LS			(175)
SUBTOTAL				3,130
CONTINGENCY (5%)				162
TOTAL CONTRACT COST				3,292
SUPERVISION, INSPECTION AND OVERHEAD (6%)				204
TOTAL REQUEST				3,496
TOTAL REQUEST (ROUNDED)				3,500

10. Description of Proposed Construction: Concrete masonry walls with steel trusses, sloped roof, concrete foundation, and fire protection. Work includes altering a building for use as an aircraft general purpose shop and other support as necessary. Air Conditioning: 40 Tons.

11. REQUIREMENT: 25,100 SF ADEQUATE: 0 SUBSTANDARD: 4,250 SF

PROJECT: Construct aerial delivery facility. (New Mission)

REQUIREMENT: Adequate space for parachute packing and maintenance, rigging of supplies for air drop or extraction, communications equipment maintenance, classrooms, and storage. This facility is needed to meet the support requirements generated by the SOF beddown.

CURRENT SITUATION: The present aerial delivery facility is not sized to support the increased mission associated with the SOF beddown. Large parachutes cannot be dried in the existing facility and must be sent to Pope AFB for cleaning and repacking. With the beddown of additional aircraft, the number of air drops increase from 579 (FY87) to approximately 1,160 annually.

IMPACT IF NOT PROVIDED: Aerial delivery operations in support of the SOF beddown will not be satisfactorily accomplished resulting in delayed/cancelled missions and early replacement of parachutes and equipment due to improper care.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT DEFENSE USSOCOM	FY 1991 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE JAN 90
3. INSTALLATION AND LOCATION EGLIN AUXILIARY FIELD NO 9, FLORIDA		
4. PROJECT TITLE SOF-AERIAL DELIVERY FACILITY		5. PROJECT NUMBER FTEV913000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	89 APR 12
(b) Percent Complete as of Jan 90	60%
(c) Date 35% Designed	89 AUG 15
~~(d)~~ Date Design Complete	90 APR 02
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	168
(b) All Other Design Costs	125
(c) Total	293
(d) Contract	198
(e) In-house	95
(4) Construction Start	90 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT Defense USSOCOM	FY 1991 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE JAN 90

3. INSTALLATION AND LOCATION EGLIN AUXILIARY FIELD NO 9, FLORIDA	4. PROJECT TITLE SOF-IMPROVE BASE ROADS

5. PROGRAM ELEMENT B.10.11	6. CATEGORY CODE 851-147	7. PROJECT NUMBER FTEV913007	8. PROJECT COST($000) 1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SOF-IMPROVE BASE ROADS	LS			1,360
SUBTOTAL				1,360
CONTINGENCY (5%)				68
TOTAL CONTRACT COST				1,428
SUPERVISION, INSPECTION AND OVERHEAD (6%)				86
TOTAL REQUEST				1,514
TOTAL REQUEST (ROUNDED)				1,500

10. Description of Proposed Construction: Includes asphalt road network, sidewalks, curbs and gutters, traffic control devices, and construct a new main gate facility with masonry materials. Also includes relocation of utilities.

11. REQUIREMENT: As required.

PROJECT: Improve base road network. (New Mission)

REQUIREMENT: A base road network capable of supporting increased traffic flow resulting from the Special Operations Forces (SOF) expansion at Eglin Auxiliary Field No 9. Rapid access to the new aerial delivery facility, Mobility Center, and Aircrew Briefing Facilities in the north base area is critical for the mission to succeed. The base population increases by 1,800 people, and assigned government vehicles increase by 65 percent.

CURRENT SITUATION: The present road network cannot support the expanded mission. The main gate and operational core of the base will be congested. Delays will occur during movements of support equipment, commodities, and troops during mobility exercises, contingency operations, or national emergencies. Vehicles entering the main gate must traverse through the central base core to access the north base area. The buildup on base will increase traffic flow significantly.

IMPACT IF NOT PROVIDED: Traffic at the main gate will back up on US Highway 98 by more than 300 vehicles during rush hour. SOF mission delays will occur on base because of inadequate roads and poor access to critical mission facilities and aircraft. A traffic engineering study by the Military Traffic Management Command (MTMC) shows that traffic delays and accidents will increase if road expansions are not completed.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT DEFENSE USSOCOM	FY 1991 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE JAN 90
3. INSTALLATION AND LOCATION EGLIN AUXILIARY FIELD NO 9, FLORIDA		
4. PROJECT TITLE SOF-IMPROVE BASE ROADS		5. PROJECT NUMBER FTEV913007

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	88 SEP 14
(b) Percent Complete as of Jan 90	65%
(c) Date 35% Designed	89 AUG 18
(d) Date Design Complete	90 APR 15
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	90
(b) All Other Design Costs	15
(c) Total	105
(d) Contract	90
(e) In-house	15
(4) Construction Start	90 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE JAN 90

3. INSTALLATION AND LOCATION EGLIN AUXILIARY FIELD NO 9, FLORIDA	4. PROJECT TITLE SOF-MOBILITY CENTER

5. PROGRAM ELEMENT B.10.11	6. CATEGORY CODE 141-454	7. PROJECT NUMBER FTEV923002	8. PROJECT COST($000) 3,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SOF-MOBILITY CENTER	SF	39,000	70	2,730
SUPPORTING FACILITIES				465
UTILITIES	LS			(155)
PAVEMENTS	LS			(155)
SITE IMPROVEMENTS	LS			(155)
SUBTOTAL				3,195
CONTINGENCY (5%)				160
TOTAL CONTRACT COST				3,355
SUPERVISION, INSPECTION AND OVERHEAD (6%)				201
TOTAL REQUEST				3,556
TOTAL REQUEST (ROUNDED)				3,550

10. Description of Proposed Construction: Slab on grade, sloped roof, steel joists built with concrete masonry wall units. Includes issue area, processing area, bag and weapons storage and other necessary support. Air Conditioning: 25 Tons.

11. REQUIREMENT: 39,000 SF ADEQUATE: 0 SUBSTANDARD: 16,909 SF

PROJECT: Construct a SOF-Mobility Center. (New Mission)

REQUIREMENT: A facility to house the major activities of the base mobility program. These consist of mobility work centers, a personnel processing area, passenger holding areas, mobility offices and areas for controlled storage of all wing mobility bags and small arms. The SOF mission requires extensive deployments; adequate, secure facilities are required for storage and processing of personnel. This requirement did not exist until the SOF mission moved to Eglin Auxiliary Field No 9.

CURRENT SITUATION: The various mobility functions must be conducted in scattered facilities which are totally inadequate. None are large enough, nor do they have proper security. Due to limited storage space, mobility bags are stored in squadron areas. These areas are not climate controlled, which leads to rapid deterioration of assets. The 2,100 weapons now on hand have to be stored in two separate facilities. Neither is climate controlled, which has led to large numbers of these weapons functioning improperly when issued. Both storage facilities are overcrowded now and will be totally inadequate to store the increased numbers of weapons associated with the SOF buildup. Currently, deployments average 3 to 4 per month, with up to 600 personnel per deployment. The number of deployments is expected to increase by over 50 percent following the SOF buildup, and processing from the current facilities will be unworkable.

1. COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE JAN 90

3. INSTALLATION AND LOCATION

EGLIN AUXILIARY FIELD NO 9, FLORIDA

4. PROJECT TITLE SOF-MOBILITY CENTER	5. PROJECT NUMBER FTEV923002

IMPACT IF NOT PROVIDED: Current facilities provide less than satisfactory work and storage areas. The SOF increase will further tax these facilities to the point that the wing's mobility activities will suffer. Mobility bags and weapons will deteriorate more rapidly than normal.
ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE JAN 90

3. INSTALLATION AND LOCATION

EGLIN AUXILIARY FIELD NO 9, FLORIDA

4. PROJECT TITLE SOF-MOBILITY CENTER	5. PROJECT NUMBER FTEV923002

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	88 NOV 22
(b) Percent Complete as of Jan 90	100%
(c) Date 35% Designed	89 FEB 06
(d) Date Design Complete	89 SEP 11
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	205
(b) All Other Design Costs	35
(c) Total	240
(d) Contract	205
(e) In-house	35
(4) Construction Start	91 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT DEFENSE USSOCOM	FY 1991 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE JAN 90

3. INSTALLATION AND LOCATION EGLIN AUXILIARY FIELD NO 9, FLORIDA	4. PROJECT TITLE SOF-PHYSICAL FITNESS CENTER

5. PROGRAM ELEMENT B.10.11	6. CATEGORY CODE 740-674	7. PROJECT NUMBER FTEV913009	8. PROJECT COST($000) 3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SOF-PHYSICAL FITNESS CENTER	SF	29,800	87	2,595
SUPPORTING FACILITIES				300
UTILITIES	LS			(100)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(100)
SUBTOTAL				2,895
CONTINGENCY (5%)				145
TOTAL CONTRACT COST				3,040
SUPERVISION, INSPECTION AND OVERHEAD (6%)				182
TOTAL REQUEST				3,222
TOTAL REQUEST (ROUNDED)				3,200

10. Description of Proposed Construction: Concrete masonry walls with steel trusses and joists, concrete slab and footings and other necessary support. Air Conditioning: 45 Tons.

11. REQUIREMENT: 54,000 SF ADEQUATE: 24,200 SF SUBSTANDARD: 0

PROJECT: Construct a physical fitness center. (New Mission)

REQUIREMENT: An adequately sized physical fitness center to serve a greatly increased base population. This project is required to support a 45 percent increase in military personnel assigned to Eglin Auxiliary Field No 9 in support of the new SOF Mission. These personnel by the very nature of their jobs must maintain a high degree of physical fitness to perform their duty. This facility will provide that capability.

CURRENT SITUATION: The existing physical fitness center is too small to support the increased number of military personnel associated with the SOF Beddown at Eglin Auxiliary Field No 9. Deficiencies exist in handball, racquetball and basketball courts, weight rooms, exercise rooms and men's and women's saunas, showers and dressing rooms. Adequate off-base facilities are not available to fully support this surge in personnel. Additionally, off-base facilities are too expensive for the lower grade enlisted personnel.

IMPACT IF NOT PROVIDED: The existing physical fitness center cannot adequately support the approved personnel increase associated with the SOF beddown. This will adversely impact morale and the welfare of personnel which both play a vital role in sustaining overall mission readiness.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT DEFENSE USSOCOM	FY 1991 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE JAN 90

3. INSTALLATION AND LOCATION

EGLIN AUXILIARY FIELD NO 9, FLORIDA

4. PROJECT TITLE SOF-PHYSICAL FITNESS CENTER	5. PROJECT NUMBER FTEV913009

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	89 APR 28
(b) Percent Complete as of Jan 90	65%
(c) Date 35% Designed	89 AUG 17
(d) Date Design Complete	90 APR 02
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	162
(b) All Other Design Costs	115
(c) Total	277
(d) Contract	189
(e) In-house	88
(4) Construction Start	90 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT DEFENSE (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE JAN 90
3. INSTALLATION AND LOCATION Fort Stewart Georgia	4. COMMAND US Army Forces Command	5. AREA CONSTRUCTION COST INDEX .82

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 89	1284	13094	2098	0	113	0	12	44	1475	18,120
B. END FY 95	1379	12940	2175	0	111	0	12	44	1475	18,036

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 204,389 AC

B. INVENTORY TOTAL AS OF 30 SEP 89......................................	353,996
C. AUTHORIZATION NOT YET IN INVENTORY....................................	32,767
D. AUTHORIZATION REQUESTED IN THIS PROGRAM...............................	6,450
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM............................	4,850
F. PLANNED IN NEXT THREE YEARS..	137,534
G. REMAINING DEFICIENCY..	357,314
H. GRAND TOTAL..	892,911

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	20909	Special Operations Forces Headquarters	1,900	05/89	08/90
214	20997	Tactical Equipment Shop	3,000	07/87	06/90
740	02439	Child Development Center	1,650	10/88	04/90
		SUBTOTAL PROJECTS OVER $1M	6,550		
		TOTAL	6,550		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 92) :		
214	Vehicle Maintenance Shop	4,850
	SUBTOTAL PROJECTS OVER $1M	4,850
	TOTAL	4,850
B. PLANNED NEXT THREE PROGRAM YEARS :		
214	MAINTENANCE FACILITY	29,986
214	Tactical Equipment Shop	21,100
214	COM MAINT FAC, PHII	16,500
141	Battalion Headquarters and Classroom	6,744
	SUBTOTAL PROJECTS OVER $1M	74,330
	TOTAL	74,330

DD FORM 1 DEC 74 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE JAN 90

INSTALLATION AND LOCATION: Fort Stewart , Georgia

10. MISSION OR MAJOR FUNCTIONS:

Support and training of an Infantry Division (Mech) and non-divisional support units, and provide support for tenant and satellited activities and Reserve Components training.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

DU 301.2

1. COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION Fort Stewart, Georgia	4. PROJECT TITLE Special Operations Forces Headquarters

5. PROGRAM ELEMENT 11000A	6. CATEGORY CODE 141	7. PROJECT NUMBER 20909	8. PROJECT COST ($000) 1,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,387
Battalion Hq & Classroom Fac	SF	17,826	76.85	(1,370)
IDS Installation	LS	-	-	(3)
Information Systems	LS	-	-	(14)
Supporting Facilities				348
Electric Service	LS	-	-	(28)
Water, Sewer & Gas	LS	-	-	(26)
Paving, Walks, Curbs & Gutters	LS	-	-	(50)
Storm Drainage	LS	-	-	(6)
Site Improvement (118) Demolition (1)	LS	-	-	(219)
Information Systems	LS	-	-	(19)
Subtotal				1,735
Contingency (5.00%)				82
Total Contract Cost				1,817
Supervision, Inspection & Overhead (6.00%)				103
Total Request				1,920
Total Request (Rounded)				1,900
Installed Equipment - Other Appropriations				(21)

10. Description of Proposed Construction Construct a standard-design Special Operations Command (SOCOM) Battalion command and control facility with two classrooms, arms room and intrusion detection system (IDS). Supporting facilities include utilities, electric service, information systems, fire protection and alarm systems, paving, walks, curbs and gutters, storm drainage and site improvements. Heating and air conditioning (48 tons) will be provided by self-contained systems. Access for the handicapped will be provided. Demolish one World War II building (2,740 SF).

11. REQUIREMENT: 17,907 SF ADEQUATE: None SUBSTANDARD: 1,740 SF

PROJECT: Construct a standard-design SOCOM Battalion command and control facility. (New Mission)

REQUIREMENT: This project is required to provide headquarters command and control, classroom, arms storage space for a Special Operations Aviation Battalion. The unique configuration of the SOCOM organization requires the supply and storage area to be housed in the battalion command and control facility.

CURRENT SITUATION: The lead element of the Special Operations Aviation Battalion is currently dispersed in 14 temporary buildings at Hunter Army Airfield, Georgia. Their headquarters building is a wood framed, temporary

1.COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE JAN 90

3.INSTALLATION AND LOCATION

Fort Stewart, Georgia

4.PROJECT TITLE Special Operations Forces Headquarters	5.PROJECT NUMBER 20909

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
structure (1,740 SF) built in 1940. This building provides inadequate command, control and support space, is energy inefficient and requires excessive operation and maintenance upkeep.
IMPACT IF NOT PROVIDED: If this project is not provided, alternate temporary facilities will be needed to fill the deficit in command and control square footage required to support the full contingent of the Special Operations Aviation Battalion. The existing temporary facility will continue to provide substandard headquarters accommodations. This SOCOM aviation battalion will remain scattered in temporary facilities which will compromise combat readiness, operational efficiency, and physical security.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that was in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 13 March 1987.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Design Start Date .... May 89
(b) Percent Complete As Of 15 September 89 (DSGN YR).... 35
(c) Percent Complete As Of 01 January 90 (BDGT YR)...... 52
(d) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(e) Concept Complete Date .... Jul 89
(f) Design Complete Date .... Aug 90

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Savannah District

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 90
(b) All Other Design Costs 54
(c) Total Cost 144
(d) Contract 0
(e) In-house 144

(4) Construction Start .... Feb 91
month & year

DU 302.1

1. COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION Fort Stewart, Georgia	4. PROJECT TITLE Tactical Equipment Shop

5. PROGRAM ELEMENT 11000A	6. CATEGORY CODE 214	7. PROJECT NUMBER 20997	8. PROJECT COST ($000) 3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,032
Vehicle Maintenance Shop - Org	SF	15,551	74.46	(1,158)
Oil Storage	SF	300	56.67	(17)
Fuel Station	EA	2	2,500	(5)
Fuel Station Building	SF	120	158.33	(19)
Fuel Storage	GA	13,940	2.44	(34)
See Cost Estimates (Continued)				(799)
Supporting Facilities				683
Electric Service	LS	-	-	(140)
Water, Sewer & Gas	LS	-	-	(102)
Paving, Walks, Curbs & Gutters	LS	-	-	(56)
Storm Drainage	LS	-	-	(69)
Site Improvement	LS	-	-	(294)
Information Systems	LS	-	-	(22)
Subtotal				2,715
Contingency (5.00%)				136
Total Contract Cost				2,851
Supervision, Inspection & Overhead (6.00%)				171
Total Request				3,022
Total Request (Rounded)				3,000
Installed Equipment - Other Appropriations				(30)

10. Description of Proposed Construction Construct a standard-design tactical equipment shop to include one 7-1/2 ton hoist, a deployment equipment storage building, an oil storage building, a fuel station building, a fuel station equipped with nine dispensers and gas and diesel fuel storage tanks, a sentry building, and parking areas for organizational vehicles. Supporting facilities include utilities, electric service, sanitary sewers, information systems, security lighting, entrance road, parking, walks, curbs and gutters, storm drainage, fire protection and alarm systems, and site improvements. Heating and air conditioning (10 tons) will be provided by a self-contained system for administration areas.

11. REQUIREMENT: 88,146 SF ADEQUATE: 61,665 SF SUBSTANDARD: 29,160 SF

PROJECT: Construct a standard-design tactical equipment shop with deployment, fuel and oil storage, fuel station, hardstands and washracks. (New Mission)

REQUIREMENT: This project is required to provide maintenance facilities and hardstand to support the organizational vehicle maintenance requirements of the recently formed Special Operations Aviation Battalion. This project will support 77 wheeled vehicles and 26 personnel.

CURRENT SITUATION: All existing maintenance shops are fully utilized by

1.COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE JAN 90

3.INSTALLATION AND LOCATION

Fort Stewart, Georgia

4.PROJECT TITLE Tactical Equipment Shop	5.PROJECT NUMBER 20997

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Deployment Equipment Storage Bld	SF	2,800	34.64	97
Sentry Station	SF	80	150.00	12
Wash Platforms	EA	1	73,000	73
Concrete Hardstand	SY	9,052	38.00	344
Organ. Vehicle Parking	SY	15,537	12.16	189
Information Systems	LS	-	-	84
			Total	799

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued) elements of the 24th Infantry Division (Mechanized) and XVIII Airborne Corps units. The Special Operations Command Aviation Battalion is utilizing temporary facilities to perform vehicle maintenance and repair. The hardstand area is natural ground or gravel that is split by a road. Due to limited bay areas, maintenance and repair operations are being conducted in field-type conditions. Parking is limited, so the vehicles, which include fuel vehicles, are not adequately spaced or grounded. Since there is no central wash rack facility at Hunter Army Airfield, the battalion is required to use the wash racks of the other on-post units.

IMPACT IF NOT PROVIDED: If this project is not provided, the battalion will not be able to efficiently provide maintenance and repair operations for its vehicles due to lack of adequate shop space, hoists, and limited access to tools, equipment and materials. This situation will generate health, safety and security risks, thereby causing degradation of morale which, when combined with the lack of physical facilities, will detract from the effective deployment of the battalion.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 13 March 1987.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date .... Jul 87

(b) Percent Complete As Of 15 September 89 (DSGN YR).... 52

(c) Percent Complete As Of 01 January 90 (BDGT YR)...... 60

(d) Percent Complete As Of 01 October 90 (PROG YR)...... 100

(e) Concept Complete Date .... Oct 87

(f) Design Complete Date .... Jun 90

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DU 302.1

1.COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE JAN 90
3.INSTALLATION AND LOCATION Fort Stewart, Georgia		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 20997

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Savannah District

	($000)
(3) Total Cost (c) = (a)+(b) or (d)+(e):	
(a) Production of Plans and Specifications	137
(b) All Other Design Costs	151
(c) Total Cost	288
(d) Contract	157
(e) In-house	131

(4) Construction Start .... Feb 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Information Sys Eq	OPA	91	30
		TOTAL	30

1. COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION USAR Center, Norristown, PA	4. PROJECT TITLE Add/Alt USARC/OMS

5. PROGRAM ELEMENT 11	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 91-0526	8. PROJECT COST ($000) 2,598

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITES:				1966
Training Building Addition	SF	9687	81.55	(790)
Training Building Alteration	SF	22000	48.00	(1056)
Maintenance Building Alteration	SF	3854	31.14	(120)
SUPPORTING FACILITES:				389
Site Improvement	LS			(278)
Telecommunications	LS			(52)
Paving	SY	1699	25.90	(44)
Lighting	LS			(15)
TOTAL CONSTRUCTION COST				2355
Contingencies (5%)				113
Supervision and Administration (6%)				130
TOTAL PROJECT COST				2598

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide for an addition to and alteration of the existing center with maintenance facilities. Construction will consist of brick/CMU walls, built-up roof, and concrete floors. Increased energy efficiency and insulation in addition to updated mechanical and electrical systems are included in the alterations. Air conditioning: 61 tons.

11. REQUIREMENT: 35,541 SF Adequate: 0 SF Substandard: 25,854 SF

PROJECT: Add to and alter a 300-member USAR center and maintenance shop. (Current mission)

REQUIREMENT: This project will support a civil affairs brigade, a civil affairs company, and a quartermaster detachment with administrative space, small unit and individual training facilities which include classrooms, library, and learning center, arms vault and arms maintenance area, rifle range, associated mess facilities, storage space for individual and unit equipment, and parking for privately owned vehicles. The maintenance shop will provide equipment work bays, shop office, tools and parts room, battery charging and storage area, flammable storage, and military equipment parking.

CURRENT SITUATION: The existing facility is a two story brick facility constructed in 1956 for Reserve units which at that time had little organic equipment. This facility is critically short administrative space for two units which have extensive administrative missions. In

1. COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90
3. INSTALLATION AND LOCATION USAR Center, Norristown, PA		
4. PROJECT TITLE Add/Alt USARC/OMS		5. PROJECT NUMBER CAR 91-0526

order to meet current requirements, other crucial space has been modified to accommodate shortages for individual skill training of unit members and space for the storage of manuals and other learning materials. A kitchen does not exist at this facility. Storage space for unit and individual equipment is insufficient requiring much of assigned equipment to be stored in other Government facilities. There is insufficient privately owned vehicle parking. The unit maintenance shop does not include office space, tool and parts room, battery room or restroom facilities. The military equipment parking will not accommodate the unit's vehicles.
IMPACT IF NOT PROVIDED: The units assigned will continue to suffer from poor administrative support affecting the retention and recruiting of unit members. The lack of a library, learning center, and other training facilities will severely impact on the skill qualification of the individual soldiers and the abilities of the unit to train for their mission. Shortage of unit and individual storage space for equipment will continue to result in the loss of valuable training time because of the need to travel between the center and other Government facilities to obtain mission essential training equipment. Utilization of these substandard facilities will continue to degrade the mobilization readiness of these crucial combat assets.

12. SUPPLEMENTAL DATA:

a. Estimated Design data:
  (1) Status:
    (a) Date Design Started. 03/85
    (b) Percent Complete as of January 1989. 100
    (c) Date Design 35% Complete 02/86
    (d) Date Design Complete 07/88
  (2) Basis:
    (a) Standard or Definitive Design - No
    (b) Where Design Was Most Recently Used NA
  (3) Total cost (c) = (a) + (b) or (d) + (e) : ($000)
    (a) Production of Plans and Specifications . . .(142)
    (b) All Other Design Costs . . . .(72)
    (c) Total. . . . .(214)
    (d) Contract . . . .(161)
    (e) In-house . . . .(53)
  (4) Construction start. 02/91
month and year

b. Equipment associated with this project which will be provided

1. COMPONENT DEFENSE USSOCOM	FY 1991 MILITARY CONSTRUCTION PROGRAM (computer generated)	2. DATE JAN 90
3. INSTALLATION AND LOCATION MARINE ENVIRONMENTAL SYSTEMS FACILITY DAM NECK, VIRGINIA	4. COMMAND COMMANDER IN CHIEF ATLANTIC FLEET	5. AREA CONST COST INDEX .92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 88	35	285	24	0	0	0	0	0	0	349
b. End FY 1994	35	285	24	0	0	0	0	0	0	349

7. INVENTORY DATA ($000)

a. Total Acreage: ( )
b. Inventory Total As Of: (30 SEP 88) 0
c. Authorization Not Yet In Inventory: 12,800
d. Authorization Requested In This Program: 9,160
e. Authorization Included In Following Program: (FY 92) 0
f. Planned In Next Three Program Years: 0
g. Remaining Deficiency: 0
h. Grand Total: 21,960

8. PROJECTS REQUESTED IN THIS PROGRAM: FY 91

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS CMPL
155.21	OPERS & MAINT FACILITIES	LS	9,160	10/87	06/89
	TOTAL		9,160		

TOTAL:

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
None

B. MAJOR PLANNED NEXT THREE YEARS:
None

10. MISSION OR MAJOR FUNCTIONS:
Conduct research in support of special requirements. Analyze environmental effects caused by usage of marine related equipment and systems.

11. Outstanding pollution and safety (OSH) deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

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1. COMPONENT DEFENSE (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION MARINE ENVIRONMENTAL SYSTEMS FACILITY, DAM NECK, VIRGINIA	4. PROJECT TITLE OPERATIONS AND MAINTENANCE FACILITIES

5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 155.21	7. PROJECT NUMBER P-335	8. PROJECT COST ($000) 9,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS AND MAINTENANCE FACILITIES. . . .	LS	-	-	5,870
BOAT STORAGE-OCEANA.	SF	8,400	45.00	(380)
HELICOPTER ENCLOSRUE	SF	3,000	127.00	(380)
VEHICLE DISPATCH OFFICE.	SF	300	130.00	(40)
STORAGE BUILDINGS.	SF	4,140	95.00	(390)
TRAINING COMPLEX	SF	16,850	98.00	(1,650)
BUILDINGS ALTERATIONS.	LS	-	-	(1,930)
AIRCRAFT PARKING APRON	LS	-	-	(800)
ENVIRONMENTAL/WET-LANDS MITIGATION	LS	-	-	(300)
SUPPORTING FACILITIES.	-	-	-	2,360
SUBTOTAL	-	-	-	8,230
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST.	-	-	-	8,640
SUPERVISION, INSPECTION & OVERHEAD (6%). . .	-	-	-	520
TOTAL REQUEST.	-	-	-	9,160
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story, two two-story, one three-story reinforced concrete and masonry buildings, pile foundations, concrete floors, built-up roofing; one one-story masonry vehicle dispatch buildings two one-story steel frame and metal siding storage buildings; fueling facility, wash racks; one one-story steel frame metal siding hangar; aircraft parking apron; alterations to three buildings; reinforced concrete drying tower; fire protection system, air conditioning, ventilation, utilities; wet-lands mitigation.

11. REQUIREMENT: As Required.

PROJECT: Constructs boat storage facility at NAS Oceana. Constructs training facilities, helicopter enclosure, and operations and maintenance facilities at Fleet Combat Training Center Atlantic, Dam Neck to house the Marine Environmental Systems Facility (MARESFAC) detachment. (New mission.)

REQUIREMENT: Operations and administrative offices, research craft maintenance, training facilities, helicopter enclosure, vehicle and other storage and maintenance facilities. The MARESFAC detachment provides oceanographic information and research services to the Fleet. In performing this mission, it uses helicopters and specialized boats and craft which are designed to be air transportable. These craft are outfitted with delicate instruments requiring extensive maintenance and calibration and proper storage facilities to prevent damage to equipment and boat machinery.

(Continued on DD 1391c)

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PAGE NO

1. COMPONENT DEFENSE (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION

MARINE ENVIRONMENTAL SYSTEMS FACILITIES, DAM NECK, VIRGINIA

4. PROJECT TITLE OPERATIONS AND MAINTENANCE FACILITIES	5. PROJECT NUMBER P-335

11. REQUIREMENT: (Continued)
enclosure is required to keep the helicopters out of the elements and to provide a sheltered maintenance area. The detachment needs operations and administrative spaces for administratice functions and mission planning. Training facilities are necessary. Facilities are required at Dam Neck because this activity supports a majority of the MARESFAC activities, including helicopter, boat and vehicle maintenance. The detachment also uses NAS Oceana as its air transport site. It stores "ready-for-deployment" boats and craft at Oceana to reduce deployment time by eliminating the road transit from Dam Neck to Oceana. No maintenance facilities are available at Oceana and none are planned. Activity mission, personnel strength, and operational equipment are expanding and require additional facilities.

CURRENT SITUATION: Minimal boat storage and repair facilities are available at Dam Neck. Vehicle maintenance is performed in makeshift facilities. No helicopter enclosure is available. The MARESFAC detachment is now and will continue to receive additional personnel, equipment, boats, and transport vehicles over the next several years. A project approved in the FY 1989 MILCON budget will provide boat storage at both the Dam Neck and OCeana sites. This is the last of a four increment construction program to provide facilities for MARESFAC.

IMPACT IF NOT PROVIDED: The detachment will lack needed operations and administrative spaces. Boat and vehicle maintenance will be performed either outside or in minimal facilities. The facilities construction program will not keep pace with the detachment's growth. Readiness will be adversely impacted because of the inability to keep the equipment and boats maintained on a regular repair cycle.

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design GUide.")

(1) Status:
- (a) Date Design Started.......................... 10-87
- (b) Percent Complete as of January 1990.......... 100
- (c) Date Design 35% Complete..................... 10-88
- (d) Date Design Complete......................... 6089

(2) Basis:
- (a) Standard or Definitive Design: Yes__ No X
- (b) Where Design Was Most Recently Used: N/A

(Continued on DD 1391c)

1. COMPONENT DEFENSE (USSOCOM)	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION

MARINE ENVIRONMENTAL SYSTEMS FACILITIES, DAM NECK, VIRGINIA

4. PROJECT TITLE OPERATIONS AND MAINTENANCE FACILITIES	5. PROJECT NUMBER P-335

12. SUPPLEMENTAL DATA: (Continued)

(3)	Total cost (c + (a) + (d) = (e):	($000)
(a)	Production of Plans and Specifications.....	(430)
(b)	All Other Design Costs......................	(150)
(c)	Total.......................................	(580
(d)	Contract....................................	(550)
(e)	In-house....................................	(30)

(4) Construction start......................... 1-91 (month and year

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT DEFENSE USSOCOM	FY 1991 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 90
3. INSTALLATION AND LOCATION AFR 61		4. AREA CONSTR COST INDEX 0.82

5. FREQUENCY AND TYPE UTILIZATION

Facilities are used daily. Unit training assemblies are four days per month and field training is conducted fifteen days per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

N/A

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217-712	Avionics Shop	15,500 SF	2,200	05/89	04/90
217-713	Add/Alter Maintenance Shops	LS	547	07/89	03/90

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

To be presented after public announcement of conversion. ______ (Date)

9. LAND ACQUISITION REQUIRED NONE (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	COST ($000)	YEAR
216-642	Add/Alter Munitions Complex	9,100	2,100	92
124-135	POL Storage Complex	LS	2,250	92

1 COMPONENT DEFENSE USSOCOM	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 90

3 INSTALLATION AND LOCATION AFR 61	4 PROJECT TITLE ADD/ALTER MAINTENANCE SHOPS

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 217-713	7 PROJECT NUMBER XPRF 91-900261	8 PROJECT COST ($000) 547

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD/ALTER MAINTENANCE SHOPS	LS			425
ADD/ALTER ECM MAINTENANCE SHOP	SF	2,000	125.00	(250)
ADD/ALTER SMALL ARMS VAULT	LS			(80)
UPGRADE CRANE SYSTEM, WPNS RELEASE SHOP	LS			(95)
SUPPORTING FACILITIES				44
SUBTOTAL				469
CONTINGENCY (10 %)				47
TOTAL CONTRACT COST				516
SUPERVISION, INSPECTION, AND OVERHEAD (6%)				31
TOTAL REQUEST				547
TOTAL REQUEST (ROUNDED)				547

10 DESCRIPTION OF PROPOSED CONSTRUCTION Addition of a 2,000 SF Class "B" secure vault to existing Electronic Warfare/Electronic Countermeasures (EW/ECM) maintenance facility. Extend heating, ventilation and air conditioning (HVAC) and sprinkler systems into new area. Add small arms vault to existing supply warehouse. Upgrade existing monorail system in Weapons Release Shop to 5,000 pounds capacity. Air Conditioning: 8 Tons.

11. REQUIREMENT: 8,688 SF ADEQUATE: 6,688 SF SUBSTANDARD: 0 SF

PROJECT: Add/Alter existing AC-130A maintenance facilities to support proposed AC-130H mission. (New Mission, SOF-related)

REQUIREMENT: Facilities of adequate size and configuration to train aircraft EW/ECM maintenance personnel and maintain the EW/ECM equipment of ten AC-130H aircraft. Provide capabilities to maintain the weapons release systems of these aircraft.

CURRENT SITUATION: While existing EW/ECM shops are adequate to support AC-130A aircraft, they are inadequate to support the additional EW/ECM capability of the AC-130H aircraft. In addition, the EW/ECM systems of the AC-130H require a secure area not presently available within the existing facility. Also a small arms vault is needed to free space now being used in the weapons release shop for the larger weapons carried on AC-130H aircraft. The overhead monorail in the weapons release shop is inadequate for the larger weapons of the AC-130H aircraft.

IMPACT IF NOT PROVIDED: The inadequate facilities will limit the unit's ability to support peacetime aircrew training missions as well as readiness to perform its wartime mission.

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1. COMPONENT DEFENSE USSOCOM	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 90

3. INSTALLATION AND LOCATION

AFR 61

4. PROJECT TITLE ADD/ALTER MAINTENANCE SHOPS	5. PROJECT NUMBER XPRF 91-900261

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started .... JUL 89

b. Percent Complete as of January 1, 1990.......... 35

c. Date Design Expected to be 35% Complete.......... SEP 89

d. Date Design Complete .... MAR 90

2. BASIS

a. Standard or Definitive Design - Yes____ No X
b. Where Design Was Most Recently Used____________

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications ....(0)
b. All Other Design Costs..............................(0)
c. Total...(61)
d. Contract..(47)
e. In-house..(14)

4. CONSTRUCTION START.............................. JAN 91 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1. COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 90

3. INSTALLATION AND LOCATION AFR 61	4. PROJECT TITLE AVIONICS SHOP

5. PROGRAM ELEMENT 55394F	6. CATEGORY CODE 217-712	7. PROJECT NUMBER XPRF 91-900161	8. PROJECT COST ($000) 2,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIONICS SHOP	SF	15,500		1,711
AVIONICS MAINTENANCE SHOPS	SF	(11,500)	110.00	(1,265)
CLASS "B" SECURE ROOM(TEMPEST)	SF	(2,000)	140.00	(280)
CONTROLLED STORAGE	SF	(2,000)	83.00	(166)
SUPPORTING FACILITIES				285
ELECTRICAL	LS			(135)
WATER/SEWER/STORM DRAINAGE	LS			(30)
HEAT/COOLING	LS			(90)
PAVEMENTS	LS			(10)
SITE IMPROVEMENT	LS			(20)
SUBTOTAL				1,996
CONTINGENCY (5%)				100
TOTAL CONTRACT COST				2,096
SUPERVISION, INSPECTION AND OVERHEAD (6%)				126
TOTAL REQUEST				2,222
TOTAL REQUEST (ROUNDED)				2,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, masonry walls with brick veneer. Steel frame and built-up roof. Extend and connect utilities. Includes 2,000 SF TEMPEST Class "B" secure room. Air conditioning: 15 tons.

11. REQUIREMENT: 15,500 SF ADEQUATE: 0 SF SUBSTANDARD: 6,764 SF

PROJECT: Construct a 15,500 SF aircraft avionics maintenance shop to support AC-130H aircraft. (New Mission, SOF-related)

REQUIREMENT: Provide space to train reserve maintenance specialists and maintain the avionics systems of ten AC-130H aircraft.

CURRENT SITUATION: The existing avionics function is presently separated in two different aircraft maintenance facilities and is marginally adequate to support the existing mission. The unit will convert to AC-130H. In addition, some of the avionics systems of the AC-130H require TEMPEST secure maintenance space. No secure space presently exists at this location. The existing space will be converted to general purpose aircraft maintenance shop space in support of the new mission aircraft.

IMPACT IF NOT PROVIDED: Following conversion, insufficient space will exist to accomodate the equipment and personnel required to meet the avionics training and maintenance requirements. The units' ability to support peacetime missions as well as readiness to perform its wartime mission would be adversely impacted.

1. COMPONENT Defense (USSOCOM)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 90
3. INSTALLATION AND LOCATION AFR 61		
4. PROJECT TITLE AVIONICS SHOP		5. PROJECT NUMBER XPRF 91-900161

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started .... MAY 89

b. Percent Complete as of January 1, 1990........... 35

c. Date Design Expected to be 35% Complete.......... SEP 89

d. Date Design Complete .... APR 90

2. BASIS

a. Standard or Definitive Design - Yes_____ No X

b. Where Design Was Most Recently Used___________

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications ....(0)

b. All Other Design Costs.................................(0)

c. Total...(232)

d. Contract...(4)

e. In-house...(228)

4. CONSTRUCTION START............................. JAN 91
(month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 10 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
HAWAII		
STRATEGIC DEFENSE INITIATIVE ORGANIZATION		
BARKING SANDS		
EXOATM DISCRIM EXPERIMENT	3,870	
BARKING SANDS		3,870

TOTALS

ARMY	
NAVY	
AIR FORCE	
DEFENSE AGENCIES	3,870
INSIDE THE UNITED STATES	3,870

1. COMPONENT DEFENSE (SDIO)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE JAN 90

3. INSTALLATION AND LOCATION BARKING SANDS HI	4. COMMAND STRATEGIC DEFENSE INITIATIVE ORGANIZATION	5. AREA CONSTR. COST INDEX 1.39

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	TOTAL
a. AS OF N/A										N/A
b. END FY 19 N/A										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	N/A
b. INVENTORY TOTAL AS OF N/A	N/A
c. AUTHORIZATION NOT YET IN INVENTORY	N/A
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,870
e. AUTHORIZATION IN FOLLOWING PROGRAM	N/A
f. PLANNED IN NEXT THREE PROGRAM YEARS	N/A
g. REMAINING DEFICIENCY	N/A
h. GRAND TOTAL	3,870

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
312-000	EDX LAUNCH COMPLEX	LS	3,870	OCT 89	OCT 90

9. Future Projects: Typical Planned Next Three Years:
NONE

10. Mission or Major Functions:
NONE

11. Outstanding pollution and safety deficiencies:

a.	Air pollution:	0
a.	Water pollution:	0
a.	Occupational safety and health (OSH):	0

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PAGE NO.

1. COMPONENT DEFENSE (SDIO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION BARKING SANDS HI	4. PROJECT TITLE EDX LAUNCH COMPLEX

5. PROGRAM ELEMENT 0221	6. CATEGORY CODE 312-000	7. PROJECT NUMBER SDIO-91-0003	8. PROJECT COST ($000) 3,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				3,081
PAYLOAD ASSBLY/MISSION CTRL	SF	6,600	327	(2,160)
LAUNCH PAD	SY	1,165	462	(538)
ENVIRONMENTAL SHELTER	EA	1	323	(323)
TRACKING TOWERS	EA	2	20	(40)
PHYSICAL SECURITY	LS	--	--	(20)
SUPPORT FACILITIES				377
UTILITIES	LS	--	--	(120)
PAVING,WALKS,CURBS,& GUTTERS	LS	--	--	(147)
SITE IMPROVEMENT	LS	--	--	(75)
COMMUNICATION	LS	--	--	(35)
SUBTOTAL				3,458
CONTINGENCY (5.0%)				173
TOTAL CONTRACT COST				3,631
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				236
TOTAL REQUEST				3,867
TOTAL REQUEST (ROUNDED)				3,870
INSTALLED EQUIPMENT (OTHER APPROPRIATIONS, NON-ADDITIVE)				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

This project provides a missile launch complex for the Exoatmospheric Discrimination Experiment (EDX) programs which will accommodate the launching of the ARIES Sounding Rocket Vehicle. Primary facilities include a Payload Assembly Building (PAB)/Mission Control Complex (MCC), Environmental Shelter, launch pad with umbilical mast, launch stool and a blast deflector for the launch equipment vans, tracking towers and guard houses. Support facilities include electrical and communication distribution, utilities, conduit for fiber optic cable, site improvements, storm drainage, and parking area.

11. REQUIREMENT: 1 EA ADEQUATE: 0 EA SUBSTANDARD: 0 EA

PROJECT: Construction of a launch complex.

REQUIREMENT: This project is required for the EDX program which supports the Strategic Defense Initiative (SDI) mid-course discrimination program in the exoatmosphere.

CURRENT SITUATION: The EDX system is a proven set of experiment and field measurement hardware used for observing ballistic targets while in the exoatmosphere. EDX is required to observe the various simulated re-entry vehicle complexes to establish the long wavelength infrared (LWIR) mid-course database. These data are needed to aid the SDI in evaluating target performance. New facilities at Barking Sands are required to support missile and payload assembly, integration, testing, and launch. Existing facilities will be used to the maximum extent possible.

1. COMPONENT DEFENSE (SDIO)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90

3. INSTALLATION AND LOCATION
BARKING SANDS HI

4. PROJECT TITLE EDX LAUNCH COMPLEX	5. PROJECT NUMBER SDIO-91-0003

IMPACT IF NOT PROVIDED: If this project is not approved; the mid-course database necessary to develop and refine the techniques for exploiting LWIR technology cannot be developed.

12. SUPPLEMENTAL DATA:
a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	OCT 89
(b) Percent Complete as of January 90	35%
(c) Percent complete as of October 90	100%
(d) Design Complete Date	OCT 90
(2) Basis:	
(a) Standard or Definitive Design	YES___ NO X
(b) Where Design was most recently used: N/A	
(3) Total Cost (c) = (a) + (b) = (d) + (e):	($000)
(a) Production of Plans and Specifications	(200)
(b) All Other Design Costs Design	(200)
(c) Total	400
(d) Contract	(350)
(e) In-house	(50)
(4) Construction Start:	NOV 90

b. Equipment associated with this project which will be provided from other appropriations:

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 10 JAN 1990
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
DEFENSE LEVEL ACTIVITIES		
DEFENSE LANGUAGE INSTITUTE - MONTEREY		
AUDIO/VISUAL INSTRUCTIONAL MEDIA CENTER	2,322	
OUTDOOR ATHLETIC FACILITIES	2,168	
PRINT PLANT	1,860	
DEFENSE LANGUAGE INSTITUTE - MONTEREY		6,350
CONUS CLASSIFIED		
DEFENSE LEVEL ACTIVITIES		
CLASSIFIED LOCATION		
BUILDING ADD W SUPPORT FACILITIES	27,425	
CLASSIFIED PROJECT	5,375	
CLASSIFIED LOCATION		32,800

TOTALS

	TOTAL
ARMY	
NAVY	
AIR FORCE	
DEFENSE AGENCIES	39,150
INSIDE THE UNITED STATES	39,150

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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES         DATA AS OF 10 JAN 1990
      SPECIFIED OUTSIDE THE UNITED STATES
                ($ THOUSANDS)
STATE/COMP./INSTALLATION                         PROJ COST       TOTAL
-------------------PROJECT NAME---------------  ----------  ----------
OVERSEAS CLASSIFIED
  DEFENSE LEVEL ACTIVITIES
    OVERSEAS CLASSIFIED
      CLASSIFIED PROJECT                             1,600
        OVERSEAS CLASSIFIED                                      1,600


TOTALS
------

  ARMY

  NAVY

  AIR FORCE

  DEFENSE AGENCIES                                               1,600
                                                            ----------
  SPECIFIED OUTSIDE THE UNITED STATES                            1,600
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1. COMPONENT Army	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION Presidio of Monterey, California	4. COMMAND US Army Forces Command	5. AREA CONSTRUCTION COST INDEX 1.23

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 88	73	276	1208	303	2953	80	0	0	0	4893
b. END FY 19 94	70	294	1199	314	3034	110	0	0	0	5021

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	393 AC
b.	INVENTORY TOTAL AS OF 30 Sept 88	98,804
c.	AUTHORIZATION NOT YET IN INVENTORY	16,700
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	6,150
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,000
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	0
h.	GRAND TOTAL	123,654

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
750	Outdoor Athletic Facility	2,168	Jun 88	Sep 90
171	Audio/Visual Instructional	2,322	Sep 85	Sep 90
228	Print Plant	1,860	Oct 83	Sep 90

9. FUTURE PROJECTS:

		Cost
a. Included in Following Program (FY 92)	Academic Auditorium	6,100

b. Planned in Next Three Years ---

10. MISSION OR MAJOR FUNCTIONS:

Operation of the Department of Defense Language Institute

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

Not Applicable

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PAGE NO.

1.COMPONENT ARMY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 18 Jan 90

3.INSTALLATION AND LOCATION Presidio Of Monterey, California	4.PROJECT TITLE Audiovisual Instructional Media Center

5.PROGRAM ELEMENT 85796D	6.CATEGORY CODE 171	7.PROJECT NUMBER 9020070	8.PROJECT COST ($000) Auth 2,322 Approp 2,322

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Training Aids Center	SF	20,000	85.40	1,708
Supporting Facilities				379
Electric Service	LS	-	-	(86)
Water, Sewer & Gas	LS	-	-	(16)
Paving, Walks, Curbs & Gutters	LS	-	-	(37)
Storm Drainage	LS	-	-	(13)
Site Improvement (68) Demolition (76)	LS	-	-	(144)
Information Systems	LS	-	-	(13)
Utility Connection Fee	LS	-	-	(70)
Subtotal				2,087
Contingency (5.00%)				104
Total Contract Cost				2,191
Supervision, Inspection & Overhead (6.00%)				131
Total Request				2,322
Total Request (Rounded)				2,322
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a two-story building with self-contained, gas-fired heating plant. Work includes utilities, communications, parking and site work. To be constructed as addition to existing sound recording studio. Mechanical ventilation 95,000 CFM. Demolish two buildings (19,550 SF).

11. REQUIREMENT: 20,000 SF ADEQUATE: None SUBSTANDARD: 5,200 SF

PROJECT: Construct audiovisual instructional media facility.

REQUIREMENT: This project is required to provide a central facility for Instructional Media Center activities, including electronic maintenance, graphics, photo lab, and composition. Mission of Defense Language Institute will increase considerably during the next five years. An addition to existing recording studio is necessary for consolidation of functions.

CURRENT SITUATION: The seven functional areas of the audiovisual instructional media center are currently housed in three widely separated buildings. The great distances between these buildings make one-stop customer service impractical and hamper operational efficiency. None of the activities are currently located in facilities designed for these purposes. The Audiovisual Services, Composition, and Electronic Maintenance branches are now located in substandard facilities.

DD 1 FORM DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT ARMY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 18 Jan 90
3.INSTALLATION AND LOCATION Presidio Of Monterey, California		
4.PROJECT TITLE Audiovisual Instructional Media Center		5.PROJECT NUMBER 9020070

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: If this project is not provided, the Institute will continue to lack an instructional media center with assembly-type capability required to provide efficient operation of equipment, personnel utilization, storage of supplies and material, and receiving and distribution. If this project is not completed and present facilities are retained, a critical problem in Language Institute training will result.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Design Start Date .... Sep 85
(b) Percent Complete As Of 01 January 90 (BDGT YR)...... 50
(c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
(d) Design Complete Date .... Sep 90

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 118
(b) All Other Design Costs 85
(c) Total Cost 203
(d) Contract 155
(e) In-house 48

(4) Construction Start .... April 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PAGE NO.

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UNTIL EXHAUSTED

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1.COMPONENT ARMY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 18 Jan 90

3.INSTALLATION AND LOCATION Presidio Of Monterey Presidio Of Monterey, California	4.PROJECT TITLE Outdoor Athletic Fields

5.PROGRAM ELEMENT 85796D	6.CATEGORY CODE 750	7.PROJECT NUMBER 9059650	8.PROJECT COST ($000) Auth 2,168 Approp 2,168

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,646
Running Track (upgrade)	EA	1	465,742	(466)
Football Field (upgrade)	EA	1	618,214	(618)
Softball Field	EA	3	28,100	(84)
Tennis Court	EA	6	41,833	(251)
Basketball/Volleyball Court	EA	4	35,750	(143)
Volleyball Court	EA	3	28,000	(84)
Supporting Facilities				302
Electric Service	LS	-	-	(49)
Paving, Walks, Curbs & Gutters	LS	-	-	(47)
Storm Drainage	LS	-	-	(47)
Site Improvement	LS	-	-	(159)
Subtotal				1,948
Contingency (5.00%)				97
Total Contract Cost				2,045
Supervision, Inspection & Overhead (6.00%)				123
Total Request				2,168
Total Request (Rounded)				2,168
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of three softball fields, six tennis courts, four basketball/volleyball courts, three volleyball courts. Upgrade of existing running track and football-soccer field. Fields and courts require floodlighting.

11. REQUIREMENT: 25 EA ADEQUATE: 6 EA SUBSTANDARD: None

PROJECT: Construction of outdoor courts, fields, and landscaping.

REQUIREMENT: Project is needed to accommodate demand at this installation for outdoor recreation facilities for a variety of outdoor sports.

CURRENT SITUATION: Military personnel are unable to participate in many outdoor sport activities because of lack of facilities at the Presidio of Monterey. There are no outdoor volleyball or basketball courts. The one existing tennis court is booked days in advance and many players are turned away. The one existing football field must serve as both a military physical training area as well as for recreational sports. These meger facilities must support a population in excess of 4,500.

IMPACT IF NOT PROVIDED: Military personnel will continue to compete for scarce athletic facilities and forego or reduce required physical training. Lack of athletic facilities within the installation also force military personnel to compete with local communities for use of already saturated

1.COMPONENT ARMY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 18 Jan 90
3.INSTALLATION AND LOCATION Presidio Of Monterey, Presidio Of Monterey, California		
4.PROJECT TITLE Outdoor Athletic Fields		5.PROJECT NUMBER 9059650

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

recreational facilities in the local civilian communities. Intense academic study environment for language students requires an outlet for physical exercise and relaxation which is totally lacking at this installation.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Design Start Date .... Jun 88
- (b) Percent Complete As Of 01 January 90 (BDGT YR)...... 50
- (c) Percent Complete As Of 01 October 90 (PROG YR)...... 100
- (d) Design Complete Date .... Sep 90

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 110
- (b) All Other Design Costs 79
- (c) Total Cost 189
- (d) Contract 144
- (e) In-house 45

(4) Construction Start .... April 91 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 18 Jan 90

3.INSTALLATION AND LOCATION Presidio Of Monterey Presidio Of Monterey, California	4.PROJECT TITLE Print Plant

5.PROGRAM ELEMENT 85796D	6.CATEGORY CODE 228	7.PROJECT NUMBER 9178570	8.PROJECT COST ($000) Auth 1,860 Approp 1,860

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,490
Print Plant Building	SF	12,400	117.00	(1,451)
Equipment Relocation	LS	-	-	(29)
Information Systems	LS	-	-	(10)
Supporting Facilities				181
Electric Service	LS	-	-	(5)
Water, Sewer & Gas	LS	-	-	(21)
Paving, Walks, Curbs & Gutters	LS	-	-	(5)
Storm Drainage	LS	-	-	(5)
Site Improvement (54) Demolition (50)	LS	-	-	(104)
Information Systems	LS	-	-	(21)
Utility Connection Fee	LS	-	-	(20)
Subtotal				1,671
Contingency (5.00%)				84
Total Contract Cost				1,755
Supervision, Inspection & Overhead (6.00%)				105
Total Request				1,860
Total Request (Rounded)				1,860
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a permanent, single-story facility to accommodate a Field Printing Plant Center, maintaining spanish architectural theme. Equip with self-contained, gas-fired heating system. Provide air exhaust system in Print Plant. Floors should be capable of supporting various types of material handling equipment. Insulate in accordance with current energy conservation policy. Mechanical Ventilation (138,000 CFM). Adequate permanent facilities are not available to support this mission. Not sited in a flood plain. Demolition of existing building is required for site clearance.

11. REQUIREMENT: 12,400 SF ADEQUATE: None SUBSTANDARD: 9,348 SF

PROJECT: Single-story Field Printing Plant Building.

REQUIREMENT: Project is required to provide facilities to accommodate increased mission requirements for training material, equipment and supplies. Training of linguists places heavy demands on printed material requirements.

CURRENT SITUATION: Print Plant function is in a building that is old and inadequate for the present and future training support requirements. The present facility is housed in a deteriorating WWII constructed building. This building is becoming unsafe from age-deterioration and is progressively expensive to maintain. This project has a complete design, however limited

1.COMPONENT ARMY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 18 Jan 90
3.INSTALLATION AND LOCATION Presidio Of Monterey, Presidio Of Monterey, California		
4.PROJECT TITLE Print Plant		5.PROJECT NUMBER 9178570

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
funding prevented its construction. Available 1985 funding under PN042 did allow for the construction of base pads and underground utility support systems for use by the Print Plant upon construction. Design is at 85% lacking only minor site adoption to complete.

IMPACT IF NOT PROVIDED: Failure to provide this project will impact seriously on World-wide DOD Foreign Language Training. Expanded DOD- wide linguist training requirements place increasingly heavy demands on the existing printing capability the satisfaction of which is severely constrained by the inadequacies of present facilities.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:

(a) Design Start Date	Oct 83
(b) Percent Complete As Of 01 January 90 (BDGT YR)	95
(c) Percent Complete As Of 01 October 90 (PROG YR)	100
(d) Design Complete Date	Sep 90

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a) Production of Plans and Specifications	52
(b) All Other Design Costs	38
(c) Total Cost	90
(d) Contract	68
(e) In-house	22

(4) Construction Start .... April 91
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT DOD	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE Jan 90
3. INSTALLATION AND LOCATION Classified Activity Classified Location	4. COMMAND DOD	5. AREA CONSTRUCTION COST INDEX 1

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	$ 96,430
b.	INVENTORY TOTAL AS OF	12,700
c.	AUTHORIZATION NOT YET IN INVENTORY	27,425
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	15,800
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	33,200
f.	PLANNED IN NEXT THREE PROGRAM YEARS	NONE
g.	REMAINING DEFICIENCY	$ 185,555
h.	GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
317-10	Building Addition (Block P) w/Supporting Facilities	52,000SF	$27,425	10-89	9-90

9. FUTURE PROJECTS:

a. Included in the following program (FY-92): $15,800K. Provide the facility for conditioned and reliable power to support new and current electrical loads for mission requirements.

b. Planned next three program years (FY-93/FY-95) $33,200K. Provide space for expanding technical operations and engineering functions with associated alterations of existing facilities to match new mission requirements.

10. MISSION OR MAJOR FUNCTIONS: (This activity has been designated as a Closed and Classified Activity.)

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a. Air Pollution:	0
b. Water Pollution:	0
c. Occupational Safety and Health (OSH)	0

1. COMPONENT DOD	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Jan 90

INSTALLATION AND LOCATION Classified Activity Classified Location	4. PROJECT TITLE Building Addition w/Supporting Facilities

5. PROGRAM ELEMENT Classified	6. CATEGORY CODE 317-10	7. PROJECT NUMBER	8. PROJECT COST ($000) $27,425

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Building Addition	SF	52,000	350.00	$18,200
Supporting Facilities	SF			6,441
Elect and Mech Equipment				(1,086)
Site Prep, Parking & Erosion Control				(3,290)
Site Utilities				(2,065)
			SUB TOTAL	$24,641
Contingency (5%)				1,232
			SUB TOTAL	25,873
upervision, Inspection & Overhead (6%)				1,552
		TOTAL REQUEST		$27,425

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a multi-phased building to match existing construction; steel frame, reinforced concrete walls, built-up roof, concrete foundation and floors, portions of building addition will require inside plate lined for shielded protection and raised flooring.

Supporting facilities include utilities, access road, paving, fire protection system, drainage, parking structure, and storm drainage.

11. REQUIREMENT: 573,829 SF

ADEQUATE: 521,829 SF
INADEQUATE: -0- SF

PROJECT: Provides additional facility space to support increased mission requirements. Modify site conditions to incorporate these requirements.

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PAGE NO.

1. COMPONENT DOD	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Jan 90

3. INSTALLATION AND LOCATION

Classified Activity
Classified Location

4. Project Title Building Addition w/Supporting "Facilities	5. PROJECT NUMBER

REQUIREMENT: Provide additional space to support new and expanded mission requirements.

CURRENT SITUATION: This activity presently does not have adequate facility space to satisfy mission requirements.

IMPACT IF NOT IMPLEMENTED: This activity will be unable to perform its new and expanded mission requirements.

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status

(a) Date design started - October 1989
(b) Percent complete as of January 1, 1990 - 35%
(c) Percent complete as of October 1, 1990 - 100%
(d) Date design completed - September 1990

(2) Basis

(a) Standard or definite design - YES _______ NO XX
(b) Where design was most recently used NA

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

(a) Production of Plans and Specifications	$1,596
(b) All other design costs	1,064
(c) TOTAL	$2,660
(d) Contract	$2,660
(e) In-House	- 0 -

(4) Construction Start: April 1991

b. Equipment associated with this project which will be provided from other appropriations: NONE.

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1. COMPONENT OSD	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE Jan 90
3. INSTALLATION AND LOCATION Classified Activity Classified Location	4. COMMAND DOD	5. AREA CONSTRUCTION COST INDEX 1

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	$ 4,400
b.	INVENTORY TOTAL AS OF December 1989	22,500
c.	AUTHORIZATION NOT YET IN INVENTORY	-0-
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	7,856
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,500
f.	PLANNED IN NEXT THREE PROGRAM YEARS	39,500
g.	REMAINING DEFICIENCY	-0-
h.	GRAND TOTAL	72,356

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
	Personnel Office	20,000SF	$5,375	Jan 90	Sep 90
	Storage Facility	2,500SF	$1,600	Jan 90	Sep 90

9. FUTURE PROJECTS:

A. Included in the following program (FY 92): $2,500K

1. Provide new warehouse to satisfy need for covered storage as well as to respond to safety deficiency in existing facility.

B. Included in the next 3 years (FY 93-95): $39,500K

1. Provide facility for additional power generation equipment.
2. Provide additional operations floor space for additional electronic equipment.

10. MISSION OR MAJOR FUNCTIONS:

Classified

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

None

1. COMPONENT OSD	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Jan 90

INSTALLATION AND LOCATION Classified Activity Classified Location	4. PROJECT TITLE Personnel Office Addition/Storage Facility

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility I	SF	20,000	241.50	4,830
Contingency (5%)				241
SUBTOTAL				5,071
SIOH (6%)				304
TOTAL				5,375
Primary Facility II	SF	2,500	574.80	1,437
Contingency (5%)				72
SUBTOTAL				1,509
SIOH (6%)				91
TOTAL				1,600
GRAND TOTAL				6,975

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project would construct an addition to an existing facility to provide additional office space at a classified location and provide storage space at another classified location. However, there is some uncertainty concerning the requirement for two projects at separate locations. Therefore, it may be necessary during budget execution to combine the two projects into one project at one location.

11. REQUIREMENTS: 22,500 SF ADEQUATE: 0 SF SUB-STANDARD 0 SF

PROJECT: Provide office space for additional technical and administrative personnel and storage space at classified locations.

REQUIREMENT: Classified.

CURRENT SITUATION: Classified.

IMPACT IF NOT PROVIDED: The classified project will not be able to meet its mission.

1. COMPONENT OSD	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	**2. DATE** Jan 90

3. INSTALLATION AND LOCATION

Classified Activity
Classified Location

4. Project Title Personnel Office Space Addition/Storage Facility	**5. PROJECT NUMBER**

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status

(a) Date Design Started	Jan 90
(b) Percent complete as of Jan 1990	0%
(c) Date 35% will be completed	Apr 90
(d) Date Design will be completed	Sep 90

(2) Basis

(a) Standard or Definite Design	NO
(b) Date Design was most recently used	N/A

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

(a) Production of Plans and Specifications	277
(b) All other design costs	151
(c) TOTAL	428
(d) Contract	380
(e) In-House	48

(4) Construction Start: April 1991

b. Equipment associated with this project which will be provided from other appropriations: NONE.

```
 FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 10 JAN 1990
            INSIDE THE UNITED STATES
                ($ THOUSANDS)
STATE/COMP./INSTALLATION                              PROJ COST       TOTAL
--------------------PROJECT NAME---------------     ----------  ----------
MARYLAND
  UNI SVC UNIV HEALTH SCI
    USUHS
      COMPLETE CONTRUCTION OF ANIMAL ROOMS                 800
       USUHS                                                           800


TOTALS
------

  ARMY

  NAVY

  AIR FORCE

  DEFENSE AGENCIES                                                     800
                                                                ----------
  INSIDE THE UNITED STATES                                             800
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1. COMPONENT DoD	**FY 1991 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** 11 January 1990
3. INSTALLATION AND LOCATION Uniformed Services University of the Health Sciences	**4. COMMAND** Uniformed Services University ofthe Health Sciences	**5. AREA CONSTRUCTION COST INDEX**

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 89	117	77	805	667		107				1773
b. END FY 19 92	55	173	869	650		107				1757

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	15
b.	INVENTORY TOTAL AS OF 30 Sep. 88	59,630
c.	AUTHORIZATION NOT YET IN INVENTORY	900
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	800
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM (Requested FY90 Program)	600
f.	PLANNED IN NEXT THREE PROGRAM YEARS	600
g.	REMAINING DEFICIENCY	0
h.	GRAND TOTAL	62,530

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
530-40	Complete Construction of Animal Wards	5400 SF	800	3-91	1-92

9. FUTURE PROJECTS:

Animal Facility Alterations	5300 SF	$600

10. MISSION OR MAJOR FUNCTIONS: (DoD Directive 5105.45)

Provide the highest quality educational programs in the health science to those selected individuals who demonstrate dedication to a career in the health professions of the uniformed services; grant appropriate advanced academic degrees and establish postdoctoral, postgraduate, and technological institutes; conduct programs in continuing education for military members of the health professions.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

none

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PAGE NO

1. COMPONENT Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Jan 90
3. INSTALLATION AND LOCATION Uniformed Services University of the Health Sciences, Bethesda, MD	4. PROJECT TITLE Complete Construction of Animal Rooms	

5. PROGRAM ELEMENT	6. CATEGORY CODE 530-40	7. PROJECT NUMBER P-003	8. PROJECT COST ($000) 800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
General Construction.	S.F.	5400	41.70	225.2
Specialties..				6.1
Plumbing				129.7
Mechanical.				85.2
Fire Protection & Alarms.				23.8
Electrical.				199.0
Demolition.				20.3
Subtotal				689.3
Contingency (10%)				68.9
Subtotal				758.2
Supervision, Inspection, Overhead (5.5%). .				41.7
				799.9
Total				800.0

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project completes the conversion of existing storage space to eleven animal wards with special construction features to permit biological research in biohazard substances. It provides additional ventilation, floor drains, sinks, lighting, ceiling and masonry walls in addition to controlled entrance and exit sanitation and sterilization procedures. These features are required for conduction research in infectious diseases and other biohazard substances.

11. REQUIREMENT: 3,000 SF; Adequate: 0 SF;
Substandard: 0 SF

A. PROJECT:

Provides eleven animal wards for research in infectious diseases and other biohazard substances.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Jan 90

3. INSTALLATION AND LOCATION
Uniformed Services University of the Health Sciences, Bethesda MD

4. PROJECT TITLE
Complete Construction of Animal Rooms P-003

B. REQUIREMENT:

Adequate animal rooms are a basic support requirement for the medical school curriculum and associated research protocols. The University provides a four year medical education leading to a degree of Doctor of Medicine for selected students who demonstrate sincere motivation and dedication to a career in the Uniformed Services. The use of animals is a fundamental tool in the education and training of these students. The maintenance of animals for research is a basic requirement for conducting quality research programs in biological sciences in the treatment and eradication of disease.

C. CURRENT SITUATION:

The lack of specialized biohazard substances animal wards has restricted the scope of research projects undertaken. It has likewise restricted the breadth of practical experience afforded the medical students in the diagnosis and treatment of infectious diseases and use of other biohazard substances.

D. IMPACT IF NOT PROVIDED:

The absence of animal holding areas designed for research in infectious diseases or use of hazardous substances hampers the efforts of biological research. If the animal wards to be completed by this project are not provided, academic training and instructions as well as biological research will continue to be adversely affected.

E. ADDITIONAL:

The requirement for additional animal space was recognized early on and in November, 1978 the Board of Regents for the University approved the conversion of some storage space for use as animal holding areas. The design was completed in September 1979 and a change order negotiated with the prime contractor, however sufficient funds were not available to complete the entire project. Some dog runs and general support areas were completed and utilities, to include electric and ventilation services, were stubbed out in the area designed for the infectious disease animal wards. This project will complete the construction of the infectious disease animal wards.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DoD	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Jan 90

3. INSTALLATION AND LOCATION Uniformed Services University of the Health Sciences
4301 Jones Bridge Road
Bethesda, MD 20814-4799

4. PROJECT TITLE
Complete Construction of Animal Rooms

12. Supplemental Data:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started 9 December 1985

(b) Percent Complete As Of January 1989 60%

(c) Date Design Will Be Completed 1 January 1990

(2) Basis:

(a) Standard or Definitive Design NO

(b) Where Design Was Most Recently Used NA

(3) Total Cost:

Contract 90

In-House 10

(4) Construction Start 1 January 1991

B. Equipment associated with the project which will be provided from other appropriations.

```
FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 10 JAN 1990
             UNSPECIFIED WORLDWIDE
               ($ THOUSANDS)
STATE/COMP./INSTALLATION                         PROJ COST        TOTAL
-------------------PROJECT NAME---------------  ----------   ----------
WORLDWIDE UNSPECIFIED
  CONTINGENCY CONSTRUCTION
     DEFENSE LEVEL ACTIVITIES                       12,700
       CONTINGENCY CONSTRUCTION                                  12,700
```

1. COMPONENT OSD	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE 8 Jan 90
3. INSTALLATION AND LOCATION Various	4. COMMAND Secretary of Defense	5. AREA CONSTRUCTION COST INDEX Various

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE ....

b. INVENTORY TOTAL AS OF ....

c. AUTHORIZATION NOT YET IN INVENTORY ....

d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....

f. PLANNED IN NEXT THREE PROGRAM YEARS ....

g. REMAINING DEFICIENCY ....

h. GRAND TOTAL ....

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
Various	Secretary of Defense, Contingency Construction	LS	12,700	N/A	N/A

9. FUTURE PROJECTS:

a. Included in Following Program (FY 1992): $30,000

b. Planned in Next Three Years (FY 1991/93): $90,000

10. MISSION OR MAJOR FUNCTIONS:

To establish and develop facilities not otherwise authorized by law whose deferral would be inconsistent with the security policies of the Department of Defense.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

None

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1. COMPONENT OSD	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 8 Jan 90

3. INSTALLATION AND LOCATION Various	4. PROJECT TITLE Contingency Construction

5. PROGRAM ELEMENT 0109511D	6. CATEGORY CODE N/A	7. PROJECT NUMBER N/A	8. PROJECT COST ($000) 12,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Construction of facilities in support of operations vital to the security of the United States				12,700
Total Request				12,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION

For FY 1991 $12.7 million is programed to provide the Secretary of Defense with the capability to respond to unforeseen facilities requirements. This amount is considered to be the minimum required to undertake urgent, unforeseen military construction, the deferral of which is deemed inconsistent with national security interests. The authority for the construction of these facilities is provided by Section 2804 of 10 USC. Both the Armed Services and Appropriation Committees of the House and Senate will be notified by the Secretary of Defense of his designee, immediately upon reaching a decision to undertake construction of any public works under this authority.

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PAGE NO.

FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 27 DEC 1989
UNSPECIFIED WORLDWIDE
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
UNSPECIFIED MINOR CONSTRUCTION		
DEFENSE MEDICAL SUPPORT ACTIVITY	2,688	
SPECIAL OPERATIONS COMMAND	100	
STRATEGIC DEFENSE INITIATIVE ORGANIZATION	1,500	
DEFENSE LEVEL ACTIVITIES	1,500	
JOINT CHIEFS OF STAFF	7,200	
UNSPECIFIED MINOR CONSTRUCTION		12,988

1. COMPONENT OSD	FY 1991 MILITARY CONSTRUCTION PROGRAM	**2. DATE** 8 Jan 90
3. INSTALLATION AND LOCATION Various	**4. COMMAND** Secretary of Defense	**5. AREA CONSTRUCTION COST INDEX** Various

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE . . . .
b. INVENTORY TOTAL AS OF . . . .
c. AUTHORIZATION NOT YET IN INVENTORY . . . .
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . .
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . .
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . .
g. REMAINING DEFICIENCY . . . .
h. GRAND TOTAL . . . .

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
Various	Minor Construction	LS	12,955	N/A	N/A
	Defense Medical Facility Office		(2,655)		
	Special Operations Command		(100)		
	Strategic Defense Initiative Organization		(1,500)		
	Defense Level Activities		(1,500)		
	Joint Chiefs of Staff		(7,200)		

9. FUTURE PROJECTS:

a. Included in Following Program (FY 1992):	LS	10,000
b. Planned in Next Three Years (FY 1991/93):	LS	30,000

10. MISSION OR MAJOR FUNCTIONS:

Various

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

Not Applicable

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PAGE NO.

1. COMPONENT OSD	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 8 Jan 90

3. INSTALLATION AND LOCATION Various	4. PROJECT TITLE Minor Construction

5. PROGRAM ELEMENT 0109511D	6. CATEGORY CODE Various	7. PROJECT NUMBER Various	8. PROJECT COST ($000) 12,955

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Minor Construction				12,955
Defense Medical Facilities Office				(2,655)
Special Operations Command				(100)
Stragtegic Defense Initiative Organization				(1,500)
Defense Level Activities				(1,500)
Joint Chiefs of Staff				(7,200)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Title 10 USC 2805 provides statutory authority to carry out minor military construction projects not otherwise authorized by law. A minor military construction project is a military construction project (1) that is for a single undertaking at a military installation, and (2) that has an approved cost equal to or less than the amount specified by law as the maximum amount of a minor military construction project, currently $1,000,000 per project.

Requirement: The 12.9 million requested for FY 1991 is considered a reasonable estimate to provide the numerous Defense Agencies and Activities supported by this account a capability to react to requirements for construction, alteration, or modification of facilities resulting from: (1) unforeseen situations affecting mission performance or safety of life or property; and (2) opportunities to attain greater efficiency of operation whereby investment costs are rapidly offset (amortized) through savings in maintenance and operation costs. A lump-sum amount of $7.2 million is included to support exercise related construction projects with funded costs of $1.0 million or less for JCS sponsored exercises.

12. Supplemental Data:

a. Estimated design data: Not applicable

b. Equipment provided from other appropriations: Not Applicable

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FY 1991 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 27 DEC 1989
UNSPECIFIED WORLDWIDE
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WORLDWIDE UNSPECIFIED		
PLANNING AND DESIGN		
WASHINGTON HEADQUARTERS SERVICES	10,000	
DEFENSE MEDICAL SUPPORT ACTIVITY	44,300	
SPECIAL OPERATIONS COMMAND	2,689	
STRATEGIC DEFENSE INITIATIVE ORGANIZATION	6,000	
DEFENSE LEVEL ACTIVITIES	41,296	
PLANNING AND DESIGN		104,285

1. COMPONENT OSD	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE 8 Jan 90
3. INSTALLATION AND LOCATION Various Locations CONUS & Overseas	4. COMMAND Secretary of Defense	5. AREA CONSTRUCTION COST INDEX N/A

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE . . . .
b. INVENTORY TOTAL AS OF . . . .
c. AUTHORIZATION NOT YET IN INVENTORY . . . .
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . .
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . .
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . .
g. REMAINING DEFICIENCY . . . .
h. GRAND TOTAL . . . .

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
Various	Planning and Design	LS	104,285		

9. FUTURE PROJECTS:

a. Included in Following Program (FY 1992):

Various	Planning and Design	LS	81,800

b. Planned in Next Three Years (FY 1991/93):

Various	Planning and Design	LS	266,700

10. MISSION OR MAJOR FUNCTIONS:

Various

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

Not Applicable

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1. COMPONENT OSD	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 8 Jan 90

3. INSTALLATION AND LOCATION Various Locations CONUS and Overseas	4. PROJECT TITLE Planning and Design

5. PROGRAM ELEMENT 0109511D	6. CATEGORY CODE N/A	7. PROJECT NUMBER N/A	8. PROJECT COST ($000) 104,285

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Planning and Design	LS	--	--	104,285
Washington Headquarters Services				(10,000)
Defense Medical Facilities Office (DMFO)				(44,300)
Special Operations Command				(2,689)
Stragtegic Defense Initiative Organization (SDIO)				(6,000)
Defense Level Activities				(41,296)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Funds are to be utilized for advance planning and preparation of final plans and specifications for construction requirements of the Defense Agencies and Secretary of Defense Activities including, when required, land appraisals, overall engineering investigations and feasibility studies.

11. Requirement: The estimated costs for projects do not include any amounts for feasibility studies, preliminary engineering or final plans and specifications. The accomplishment of the planning and design effort required to develop and execute the construction program for the Defense Agencies and Secretary of Defense Activities is dependent on the provision of funds proposed by this item. This request contains the funds specifically identified to the following undertakings:

WHS	$10,000
DMFO	44,300
SOC	2,689
SDIO	6,000
DLA	41,296

FY 1991

Construction Funded From Other Appropriations

		($000)	
Agency	# Projects	O&M	R&D
National Security Agency	12	1,756	-
Defense Logistics Agency	49	6,100	-
Defense Nuclear Agency	1	60	-
Defense Communications Agency	4	306	-
DoD Dependent Schools	99	10,453	-
Uniformed Services University of the Health Sciences	4	422	-
Strategic Defense Initiative Organization	2	-	24,300
Defense Medical Facilities Office	-	-	-
Defense Mapping Agency	-	-	-
Defense Intelligence Agency	53	416	-
Special Operations Command	-	-	-
Office of the Secretary of Defense	32	4,858	-

DEFENSE LOGISTICS AGENCY
TEST OF LONG-TERM FACILITIES CONTRACTS
BY STATE AND COUNTRY
($ IN THOUSANDS)

STATE/ COUNTRY	INSTALLATION and PROJECT	ESTIMATED MILITARY CONSTRUCTION COST
INSIDE U.S.		
Ohio		
	Defense Construction Supply Center, Columbus Operations Center	74,000
SUBTOTAL INSIDE U.S.		74,000
SUBTOTAL OUTSIDE U.S.		-0-
GRAND TOTAL DEFENSE LOGISTICS AGENCY FY 91		74,000

Based upon a preliminary Economic Analysis, this project is a viable alternative and is expected to provide savings in excess of five percent. A detailed Economic Analysis will be provided with the 21 day notice.

1. COMPONENT Defense (DLA)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE Jan 90

3. INSTALLATION AND LOCATION Defense Construction Supply Center Columbus, OH	4. PROJECT TITLE Construct Operations Center

5. PERSONNEL ELEMENT 71111S	6. CATEGORY CODE 610	7. PROJECT TITLE N/A	8. PROJECT COST ($000) 74,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				60,931
Administrative Areas	SF	667,812	80.68	(53,879)
Food Storage Area	SF	40,000	176.30	(7,052)
SUPPORTING FACILITIES				5,291
Demolish Buildings	SF	304,080	3.47	(1,055)
Parking Area	SY	110,000	10.82	(1,190)
Site Preparation & Utility Support	LS	-	-	(3,046)
SUBTOTAL				66,222
CONTINGENCY (5%)				3,311
ESTIMATE OF CONTRACT COST				69,533
SIOH (6%)				4,172
TOTAL ESTIMATE				73,705
TOTAL ESTIMATE (ROUNDED)				74,000
EQUIPMENT FROM OTHER APPROPRIATION				NONE

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a 707,812 sf multi-story, with basement and all supporting facilities to provide administrative and training space for approximately 3,750 government personnel at DCSC. The facility will have an independent HVAC system, restrooms, security system, elevators, fire protection system, space for truck shipping and receiving operations, and full plumbing utility service. The entire administrative and training area shall have a raised floor to accommodate an under floor electrical and telecommunication system. A command control center (CCC) will be located in the basement. The training area will have classrooms, audiovisual support, and an auditorium to support all of DCSC and tenant training missions/needs. The building will have a food service facility suitable for the population. The design of the building shall allow for lateral expansion. Exterior facility support will include a POV parking area, sidewalks, curbs, landscaping, storm drainage, and other site modifications and improvements. Demolition of two WWII timber open framed warehouses and two metal sheds are required to support this project. Handicapped accessibility will be provided.

11. REQUIREMENT: 707,812 SF; ADEQUATE: 0 SF; SUBSTANDARD: 484,000 SF

PROJECT: Provide a permanent multi-story administrative facility at Columbus, OH.

1. COMPONENT Defense (DLA)	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE Jan 90

3. INSTALLATION AND LOCATION
Defense Construction Supply Center
Columbus, OH

4. PROJECT TITLE Construct Operations Center	5. PROJECT NUMBER N/A

11. REQUIREMENT: DCSC maintains an Inventory Control Panel (ICP) mission with the responsibility to support DOD agencies world wide. DLA Systems Automation Center, Defense Reutilization and Marketing Region, DLA Civilian Personnel Service Support Office, Defense Construction Supply Center will be the primary occupants of the facility. All of these groups require suitable office space to fulfill their mission. Requirements include office space for approximately 3,750 people, common space such as conference rooms, reproduction areas, and food service areas; special space such as bid abstract/opening rooms reception areas, files areas, and engineering drafting space. Elevators will be needed in the central core to accommodate both personnel and freight. Training area will include classrooms, auditorium, audiovisual support, satellite and tele-teach capacity for the training missions for DCSC, DSAC and DCPSO.

CURRENT SITUATION: Office space at DCSC is required to support all DCSC personnel and tenant organizations. The current facilities do not meet that requirement. They are converted 1942 warehouses. The systems supporting these buildings are past their economical and functional life expectancies. The lack of proper power and HVAC has hampered the implementation of ADP equipment into the work area. Personnel are required to work in substandard facilities which do not meet DOD standards. The current level of ADP in the work area is already taxing the available power. This has resulted in brown outs. This in turn hampers the DCSC and tenant missions. Training is performed at 5 separate locations at DCSC and numerous off-site locations. DRMR is currently located in leased office space off DCSC.

IMPACT IF NOT PROVIDED: The following conditions will exist if the facility is not constructed.

a. The building utility systems will have to undergo very costly renovation and repair. These repairs are required to maintain the system at their level of service. They still would not be able to handle the additional requirements of the DCSC missions without complete replacement.

b. The ICP personnel will continue to work in substandard facilities.

c. The lack of power and suitable HVAC support will cause the potential delay of new productivity enhancement programs. The lack of such equipment will cause the level of ICP service to fall. This will affect the military readiness of our customers.

d. The possibility exists that DCSC may have to lease space off center.

e. Expensive training cost for off-site training will continue to be incurred at DCSC. Existing use of small training classrooms without tele-teach or satellite capability will restrict the DCSC training missions.

f. DRMR will continue to incur costs for off-site office space.

DD 1391C

SUMMARY PROJECT LIST
NATIONAL SECURITY AGENCY
LONG TERM FACILITIES CONTRACT PROGRAM - FY 1991
(Dollars in Thousands)

State/ Country	Installation and Project	Major Command	Auth. Amount	Approp. Amount	% Design As of 1 Jan 90	DD Form 1390 Page No.
Maryland	Fort George G. Meade	NSA				
	Child Care Center		3,100	3,100	10	
	Total Installation and State		3,100	3,100		

The project has been subjected to a preliminary economic analysis (EA) based on Office of Management and Budget Circular Number A-104. The EA is a comparison of the MILCON alternative and 10 U.S.C. 2809, "Test of Long Term Facilities Contracts," or in simple terms, a "buy versus lease" comparison. The cost comparison under Section 2809 is estimated to provide a savings of more than 5 percent when compared to the military construction alternative. Prior to submission to Congress a complete economic analysis, including lease cost, in accordance with OMB Circular A-104 wil be prepared.

1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Dec 89

3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland	4. PROJECT TITLE Child Care Center

5. PROGRAM ELEMENT 31011G	6. CATEGORY CODE 740	7. PROJECT NUMBER 0736-9	8. PROJECT COST ($000) $3100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Child Care Center	LS	—		2,150
Supporting Facilities				
Site Work	LS	—		648
Subtotal				2,798
Contingency (5%)				140
Total Contract Cost				2,938
SIOH (5.5%)				162
Total Request				3,100
Unfunded Costs				
Imputed Annual Insurance & Taxes				36

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide a new Child Care Center located at Fort Meade, in close proximity to the Headquarters complex. The facility will be a 22,500 SF building constructed on a site of approximately five (5) acres. Site improvement work will include installing all utilities, access roads, parking spaces, sidewalks, and outdoor playgrounds. Adjacent woodlands will be preserved to provide a natural buffer against noise.

11. REQUIREMENT: 22,500 SF; Adequate: -0-; Substandard: -0-

Project: Under the authority of 10 U.S.C. Section 2809, "Test of Long-Term Facilities Contracts", this project will provide a new Child Care Center, on Government-owned land, which will be constructed and operated by a private child care provider.

Requirement: The issue of child care is a growing concern at NSA. Considering that the Agency's work force is recruited from all over the country, many employees do not enjoy the benefit of extended family to assist them with child care. The work force is 38% female and the median age of the women is 27. Most of these women are college graduates in their peak child-bearing years. A recent needs assessment survey revealed that over 1,700 Agency employees are interested in obtaining child care services at their work place.

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1. COMPONENT NSA/CSS Defense	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Dec 89
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE Child Care Center		5. PROJECT NUMBER 0736-9

Requirement Continued:

Under the authority of 10 U.S.C. Section 2809, the Department of Defense is permitted to contract for construction and operation of a child care facility if the proposed cost of such a facility is shown to be less than for a Military Construction project. Available Government-owned land has been identified to support construction of a new facility which could accommodate approximately 300 children.

Current Situation: At present, there are no dedicated child care facilities located at NSA. The Agency does sponsor a Referral Service for employees who desire child care, but the limited scope of this program is unable to keep pace with rapidly increasing demand for quality child care service.

Impact If Not Provided: The lack of convenient, quality child care service has a negative impact on the morale of the Agency workforce, and historically has affected the ability to attract and to retain employees.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

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FAMILY HOUSING, DEFENSE AGENCIES
FY 1991 PROGRAM

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PROGRAM SUMMARY
FAMILY HOUSING, DEFENSE AGENCIES
FY 1991

(Dollars in Thousands)

	NSA	DIA	DLA	Total
New Construction	400	-	-	400
Improvements	57	-	43	100
Subtotal	457	-	43	500
Operation	842	1,060	145	2,047
Leasing	7,195	10,702	-	17,897
Maintenance	200	-	456	656
Subtotal	8,237	11,762	601	20,600
Appropriation Request	8,694	11,762	644	21,100
Reimbursable Program	-	800	-	800

APPROPRIATION LANGUAGE
FAMILY HOUSING, DEFENSE AGENCIES
FY 1991

For expenses of family housing for the activities and agencies of the Department of Defense (other than the military departments) for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operation and maintenance, leasing, and minor construction as authorized by law as follows: for Construction [$600,000] $500,000; for Operation and maintenance, [$20,700,000] $20,600,000; in all [$21,300,000] $21,100,000: Provided, that the amount provided for construction shall remain available until September 30, [1994] 1995.

Family Housing Construction, Defense
Program and Financing (in Thousands of dollars)

Identification code	97-7080-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing	617	300	400	743	355	423
01.0201	Post-Acquisition Construction	113	200	100	113	168	87
10.0001	Total	730	500	500	856	523	510
	Financing:						
17.0001	Recovery of prior year obligations				-21		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-398	-93	-70
21.4003	Available to finance new budget plans		-3			-3	
21.4009	Reprograming from/to prior year budget pla	-201					
22.4001	Unobligated balance transferred to other acc	-43			-43		
23.4090	Reduction pursuant to P.L. 99-177 in unob ba		3			3	
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				93	70	60
24.4003	Available to finance subsequent year budge	3			3		
25.0001	Unobligated balance lapsing	24			24		
39.0001	Budget authority	513	500	500	513	500	500
	Budget authority:						
40.0001	Appropriation	513	600	500	513	600	500
40.0090	Reduction pursuant to P.L. 99-177		-100			-100	
43.0001	Appropriation (adjusted)	513	500	500	513	500	500
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net				856	523	510
72.4001	Obligated balance, start of year				300	194	107
74.4001	Obligated balance, end of year				-194	-107	-84
78.0001	Adjustments in unexpired accounts				-21		
90.0001	Outlays				940	610	533

Family Housing Construction, Defense
Object Classification (in Thousands of dollars)

Identification code 97-7060-0-1-051	1989 actual	1990 est.	1991 est.
Direct obligations:			
132.001 Land and structures	656	523	510
199.001 Total Direct obligations	656	523	510
999.901 Total obligations	656	523	510

Family Housing Operations and Debt,Defense   DEF ACCT SUMMARY
Program and Financing (in Thousands of dollars)

Identification code	97-7065-0-1-051	1989 actual	1990 est.	1991 est.
	Program by activities:			
	Direct program:			
02.0101	Operating expenses	2,510	2,165	2,047
02.0201	Leasing	16,143	17,749	17,897
02.0301	Maintenance of real property	1,124	710	656
02.9101	Total direct program	19,777	20,624	20,600
03.0101	Reimbursable Program	496	800	800
10.0001	Total obligations	20,273	21,424	21,400
	Financing:			
	Offsetting collections from:			
11.0001	Federal funds(-)	-496	-800	-800
22.4001	Unobligated balance transferred to other accounts	-562		
25.0001	Unobligated balance lapsing	972		
39.0001	Budget authority	20,187	20,624	20,600
	Budget authority:			
40.0001	Appropriation	20,187	20,700	20,600
40.0090	Reduction pursuant to P.L. 99-177		-76	
43.0001	Appropriation (adjusted)	20,187	20,624	20,600
	Relation of obligations to outlays:			
71.0001	Obligations incurred, net	19,777	20,624	20,600
72.4001	Obligated balance, start of year	7,509	10,024	9,158
74.4001	Obligated balance, end of year	-10,024	-9,158	-9,991
77.0001	Adjustments in expired accounts (net)	-553		
90.0001	Outlays	16,709	21,490	19,767

Family Housing Operations and Debt,Defense DEF ACCT SUMMARY
Object Classification (in Thousands of dollars)

Identification code 97-7065-0-1-051		1989 actual	1990 est.	1991 est.
	Direct obligations:			
122.001	Transportation of things	238	255	300
123.201	Rental payments to others	11,283	13,155	13,213
123.301	Communications, utilities, and miscellaneous	1,204	1,274	1,343
	Other services:			
125.003	Contracts	5,680	5,073	5,045
126.001	Supplies and materials	1,315	814	646
131.001	Equipment	57	53	53
199.001	Total Direct obligations	19,777	20,624	20,600
	Reimbursable obligations:			
223.201	Rental payments to others	299	360	360
223.301	Communications, utilities, and miscellaneous	125	120	120
	Other services:			
225.003	Contracts	72	320	320
299.001	Total Reimbursable obligations	496	800	800
999.901	Total obligations	20,273	21,424	21,400

CONSTRUCTION SUMMARY
FAMILY HOUSING, DEFENSE AGENCIES
FY 1991

The FY 1991 Defense Agency Family Housing request provides three new units at a classified location which is in the 5th year and final phase of a five-year program to provide 14 government-owned housing units.

The Improvements program will accomplish minor improvements, upgrades, and energy improvements to National Security Agency and Defense Logistics Agency units.

1. COMPONENT NSA/CSS Defense	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION Classified Location	4. COMMAND	5. AREA CONSTR. COST INDEX 1.27

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF Dec 88 b. END FY 19 91	0	0	94				0	0	94	94

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF Dec 88 0

c. AUTHORIZATION NOT YET IN INVENTORY 2,041,000

d. AUTHORIZATION REQUESTED IN THIS PROGRAM 400,000

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0

f. PLANNED IN NEXT THREE PROGRAM YEARS 0

g. REMAINING DEFICIENCY 0

h. GRAND TOTAL 2,441,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Single Family Housing	3 houses	$400	Oct 90	Sep 91

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT Defense NSA	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION Classified Location	4. PROJECT TITLE Single Unit Housing

5. PROGRAM ELEMENT 808741	6. CATEGORY CODE 711	7. PROJECT NUMBER 0001-91	8. PROJECT COST ($000) $400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
3 Bedrooms, 1½ Baths, Single Family Dwelling	SF	3,000 (3 units)		

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Acquire three Family Housing units. Each house contains three bedrooms, 1½ baths, living room, dining room, utility room, and off street parking. No air conditioning will be required. Total facility requirement: 1,000 square feet per unit.

Project: Purchase three single family houses during FY 1991. (Current Mission)

Requirement: A need exists to provide additional housing for personnel assigned to this station. Our program identified construction funds in FY 1987–1991 to purchase three units per year. These units will establish a nucleus of government–owned quarters and lend stability to our housing inventory which presently relies completely on leased units. With the presence of several other bases in the area, it makes the leased housing market very competitive. Even when leased housing is secured, the period of the lease does not coincide with the three–year assignment of personnel and causes continuous displacement of our families. The actual distribution of moves means that some families must move once each year they are assigned to this base; purchase of these units has a stabilizing effect on this field station.

Impact if not provided: The foreign housing market has become very competitive and the purchase of housing is becoming more and more lucrative because of the unavailability of leased units and currency fluctuations in foreign countries. Failure to provide housing will have a drastic impact on the overseas hiring program for this field station. FY 1991 completes the five year purchase program.

1. COMPONENT Defense NSA	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION Family Housing, Overseas Installation	4. PROJECT TITLE Modification to two four bedroom family housing units

5. PROGRAM ELEMENT 887420	6. CATEGORY CODE Various	7. PROJECT NUMBER Various	8. PROJECT COST ($000) $47

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Construction: LR Expansion		2 ea.	5,427	10,584
Construction: Modify Entry		2 ea.	5,427	10,584
Construction: Relocate Stairs		2 ea.	4,523	9,046
Construction: Install 1/2 Bath		2 ea.	2,713	5,426
Plumbing/Electrical		2 ea.	3,000	6,000
Subtotal			21,090	42,180
Contingency (5%)				2,109
SIOH – PSA (7.5%)				3,164
Total				47,453

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction to consist of enlargement of ground floor living room area and installation of ½ bath and the relocation of stairs to second floor in each of two family units.

Project: Provide 100 SF extension of living room area into existing foyer space. Relocate main entry to building front entry. Install ½ bath on ground floor (sink and w.c.) under relocated staircase to second floor. Reposition stairs to second floor to accommodate redesign.

Requirement: The extension to living area and addition of ½ bath are required to provide adequate living and bathroom facilities for five or more family occupants.

Current situation: Quarters are constructed to military housing standards in existence at time of construction (1956). Since completion, no significant modernization has been performed. General building rehabilitation is required due to deterioration as well as bringing quarters to current standards.

Impact if not provided: The existing facilities will continue to be of inadequate size and sub-standard for four-bedroom units.

1. COMPONENT Defense NSA	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION Family Housing, Overseas Installation	4. PROJECT TITLE Post-Acquisition Construction

5. PROGRAM ELEMENT 887420	6. CATEGORY CODE Various	7. PROJECT NUMBER N/A	8. PROJECT COST ($000) $10

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Post-Acquisition Construction	LS			9,547

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Improve family housing units. Work includes alternation and repair of kitchens and baths, exterior upgrades, extra weather protection, and minor improvements to 4 bedroom units.

Repair and improvement work is necessary to restore deteriorated portions of the structures and upgrade the units to contemporary standards. The units are over 30 years old and existing kitchens and baths need extensive renovation and upgrading work. Storage sheds, security lighting, new hot water heaters, extra weather protection, and other minor upgrades are planned which will reduce future operating costs, conserve energy, and afford an acceptable living standard for our personnel on station.

1. COMPONENT Defense (DLA)	**FY 1991 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** Jan 90

3. INSTALLATION AND LOCATION Defense Depot Ogden Utah	**4. PROJECT TITLE** Privacy Fencing, Family Housing

5. PROGRAM ELEMENT	**6. CATEGORY CODE** 711.13	**7. PROJECT NUMBER** U90-871	**8. PROJ COST ($000)** 20

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Privacy Fence	LF	1390	14.26	19,817
Turf Removal	SY	225	1.21	(287)
Concrete Strip	LF	1390	2.88	(4,003)
Chain Link (9 Gage Galv. w/Top Rail)	LF	1390	6.00	(8,340)
Gates	EA	11	175.00	(1,925)
Vinyl Batten Inserts	LF	1390	2.50	(3,475)
Subtotal				(18,015)
Contingencies 10%				(1,802)
Total				19,817
Total Rounded				20,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Installation of 1390 linear feet of privacy fencing to screen the back of family housing units from softball fields adjacent to the housing area. Also serves to define area between houses located back-to-back.

11. IMPACT IF NOT PROVIDED: Continued lack of a usable backyard. Present backyards are a continous run of grass going directly into a athletic field.

DD 1391

1. COMPONENT Defense (DLA)	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Jan 90

3. INSTALLATION AND LOCATION Defense General Supply Center Richmond, VA 23297-5000	4. PROJECT TITLE Air Conditioning of Deputy Commander's Quarters

5. PROGRAM ELEMENT	6. CATEGORY CODE 711.13	7. PROJECT NUMBER U90-871	8. PROJ COST ($000) 20

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Remove eight window units and repair/replace wood window sashes, storm sashes, and exterior wall openings:	LS	-	-	4.0
Install two split systems which total seven tons and will include all ductwork and electrical connections:	TN	7	2200	15.4
				19.4
contingencies (10%)				1.9
SIA (5%):				1.1
TOTAL PROJECT COST:				22.4

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Project consists of the replacement of eight window air conditioners at 12,000 BTU/H each by a seven-ton central system in the Deputy Commander's Quarters #2 (Building 21). The central system is to be comprised of two spilt systems with a five-ton zone on first floor and a two-ton zone on the second floor. The existing hot water heating system is to remain and the existing electrical service is of adequate capacity to serve the new central system.

11. JUSTIFICATION: Project is required to provide an efficient central air conditioning system for the Depot Commanders quarters (2800 SF of net space) to replace a multiplicity of window air conditioners and result in a savings in operation and energy costs.

All other family housing at DGSC (29 units) are centrally air conditioned except for the Commander's and Deputy Commanders quarters.

DD 1391

OPERATION AND MAINTENANCE SUMMARY
FAMILY HOUSING, DEFENSE AGENCIES
FY 1991

The FY 1991 Defense Agency family housing request for operation and maintenance is relatively stable and represents 5% negative growth from FY 1990. The operations account decrease in real growth is mainly attributable to reduced furnishings replacement by DIA in overseas lease locations. There is a slight decrease in maintenance and repair costs by DLA as the backlogged requirements are reduced.

All foreign currency exchange losses for the O&M accounts, including leasing, are recorded/accounted for in the Maintenance account. The family housing currency exchange losses for FY 1989 were $536,000, and are expected to be less for the FY 1990 period.

Lease costs do not include the cost of furnishings support. These costs are funded under the operations request in the furnishings subaccount. Since most foreign leased units are not provided with appliances and, in many cases, light fixtures, kitchen cabinets, etc., these items must be provided to make the units habitable. Furnishings are often provided to minimize the down-time of the unit, and consequently reduce temporary lodging costs, while the intended occupant's furnishings are in transit.

In order to minimize the cost of providing housing to our Defense Agency personnel, mainly in overseas locations, the amounts requested should be approved as submitted.

OPERATION AND MAINTENANCE SUMMARY
Family Housing, Defense Agencies
FY 1991

(Excludes Leased Units and Costs)

	FY 1990 Worldwide	FY 1991 Worldwide
Inventory		
Beginning of Year	227	229
End of Year	229	232
Average	228	231

	FY 1989 Enacted		FY 1990 Enacted		FY 1991 Request	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
Funding Requirements						
Operation						
1. Management	71	313	85	371	85	366
2. Services	218	960	294	1,284	278	1,198
3. Utilities	426	1,877	469	2,048	466	2,009
4. Furnishings	1,743	7,678	1,255	5,480	1,164	5,017
5. Miscellaneous	52	229	62	271	54	233
Subtotal, Operations	2,510	11,057	2,165	9,454	2,047	8,823
Maintenance						
6. Dwellings	564	2,485	648	2,830	648	2,793
7. Ext. Utilities	-	-	-	-	-	-
8. Other Real Property	19	84	54	235	-	-
9. Alterations	5	22	8	35	8	35
10. Foreign Currency	536	2,361	-	-	-	-
Subtotal, Maintenance	1,124	4,952	710	3,100	656	2,828
Appropriation Request	3,634	16,009	2,875	12,554	2,703	11,651
Reimbursable Program	496	-	800	-	800	-

NATIONAL SECURITY AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

The Operation portion of the family housing program includes maintenance, repair and replacement of furniture and furnishings, utility services, refuse collection and disposal and administrative support at the installation level. Leasing costs are covered separately.

The Maintenance portion includes maintenance and repair of buildings and related utilities systems, and other incidental improvements, including minor alterations and additions. Due to prior maintenance efforts this account is reduced from previous levels.

Crosswalk Between FY 1990 and FY 1991

Operation

FY 1990 Budget	518
Revised Budget Rate	-26
FY 1991 Request	492

Utilities

FY 1990 Request	360
Revised Budget Rate	-10
FY 1991 Request	350

NATIONAL SECURITY AGENCY
Family Housing, Defense Agencies
Operations and Maintenance

(Excludes Leased Units and Costs)

	FY 1989 Worldwide	FY 1990 Worldwide	FY 1991 Worldwide
Inventory			
Beginning of Year	154	157	159
End of Year	157	159	162
Average	156	158	161

	FY 1989 Enacted		FY 1990 Enacted		FY 1991 Request	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost $
Funding Requirements						
Operations						
1. Management	71	457	85	541	85	535
2. Services	207	1,331	280	1,783	263	1,654
3. Utilities	303	1,949	360	2,293	350	2,201
4. Furnishings	71	457	91	580	90	566
5. Miscellaneous	52	334	62	395	54	340
Subtotal, Operations	704	4,527	878	5,592	842	5,296
Maintenance						
6. Dwellings	241	1,550	192	1,223	192	1,208
7. Ext. Utilities	-	-	-	-	-	-
8. Other Real Property	-	-	-	-	-	-
9. Alternative & Additions	5	32	8	51	8	50
Subtotal Operations	246	1,582	200	1,274	200	1,258
Foreign Currency Fluctuation						
10. Foreign Currency Fluctuation	536	3,447	-	-	-	-
Appropriation Request	$1,486	$9,556	1,078	6,866	1,042	6,553
Reimbursement Program	-	-	-	-	-	-

Defense Intelligence Agency
Family Housing, Defense Agencies
Leasing Summary

	FY 1989 # of Units	Act Amt ($000)	FY1990 # of Units	Amt ($000)	FY1991 # of Units	Req Amount ($000)
Leasing	270	9,518	270	10,832	272	11,502
Reimbursable		-496		-800		-800
Appropriation	270	9,022	270	10,032	272	10,702

Justification:

1. An important element of DIA's mission is the operation and management of the Defense Attache System which, in FY 1991, will consist of 97 Defense Attache Offices located at US embassies in capital cities around the world.

2. The Defense Attache System requires government foreign leasing support because US Government owned quarters are not available and:

a. The host government prohibits/restricts private leasing arrangements;

b. The custom of the country requires exorbitant advance rentals and/or deposits;

c. The available quarters require government financed security and other improvements before the quarters can be considered safe and habitable by US standards;

d. To permit the DIA to participate in interagency housing pools at post;

e. At some overseas locations, the host government rent control laws are such that government leases can effect a significant savings of funds through obtaining extended tenure rights to property at no or minimal increases in rental cost.

3. This budget estimate includes the funds required to support 272 government leased quarters in foreign countries and:

a. The Foreign Affairs Administrative Support (FAAS) program provided by the Department of State;

b. Residential security for those leased quarters in hostile environments that pose a risk to the DIA personnel;

c. An expansion of the overall reimbursable program;

d. Conversions of private leases to government leases where the local housing environment is as indicated in the previous paragraph.

Defense Intelligence Agency
Family Housing, Defense Agencies
Operations Summary

The FY 1991 Family Housing Operation expenses for the DIA include the costs of providing furniture and appliances for members of the Defense Attache System; the moving and handling of the furniture and appliances; and the maintenance and repair thereof.

The FY 1991 Budget request reflects continuing decrements to the operations account and will allow for only emergency repair/replacement of the Defense Attache System inventory.

Reconciliation of Increases and Decreases

Operations	($000)
FY 1990 Request:	1,151.0
Escalation:	115.0
Replacement for Present Leased Units Furnishings, Appliances, and Transportation	-206.0
FY 1991 Budget Request:	1,060.0

DEFENSE INTELLIGENCE AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

(Excludes Leased Units and Costs)

Inventory	FY 1989 Worldwide	FY 1990 Worldwide	FY 1991 Worldwide
Beginning of Year	436	438	438
End of Year	438	438	439
Average	437	438	439

	FY 1989 Appropriated		FY 1990 Request		FY 1991 Request	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
Funding Requirements:						
Operations						
1. Management						
2. Services						
3. Utilities						
*4. Furnishings	1,656	27.0	1,151	28.0	1,060	29.0
5. Miscellaneous						
Subtotal, Operations						
Maintenance						
6. Dwellings						
7. Ext. Utilities						
8. Other Real Property						
9. Alterations						
Subtotal, Maintenance						
Appropriation Request	1,656	27.0	1,151	28.0	1,060	29.0

*Initial furnishings, appliances, and transportation cost per unit is $29,000 for FY 1991.

DEFENSE LOGISTICS AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

The Operations portion of the family housing program includes refuse collection and disposal, entomological services, street cleaning, snow removal, custodial services, moving and handling of Government-owned furnishings, and administrative support at the installation level.

The Maintenance portion of the request included maintenance and repair of family housing facilities and related utilities systems and other minor alterations and repair efforts. Efforts include replacing insulation, installing thermal windows, and replacing cabinets and facilities in kitchens and bathrooms which have deteriorated through normal wear and tear from harsh environmental conditions and constant use. Also included in the area of other real property repair is replainc concrete and walkways and repairing pavement.

Crosswalk Between FY 90 and FY 91

Operation	($000)
FY 90 Request	$136
Utilities	+ 5
Inflation	+ 4
FY 91 Request	$145
Maintenance	
FY 90 Request	$510
Reduction in Backlog Maintenance	- 70
Inflation	+ 16
FY 91 Request	$456

DEFENSE LOGISTICS AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

(Excludes Leased Units and Costs)

Inventory	FY 1990 Worldwide	FY 1991 Worldwide
Beginning of Year	70	70
End of Year	70	70
Average	70	70

	FY 1989 Enacted		FY 1990 Enacted		FY 1991	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
nding Requirements						
Operations						
1. Management	-	-	-	-	-	-
2. Services	11	157	14	200	15	214
3. Utilities	123	1,757	109	1,557	116	1,657
4. Furnishings	16	229	13	186	14	200
5. Miscellaneous	-	-	-	-	-	-
Subtotal	-	-	-	-	-	-
Operations	150	2,143	136	1,943	145	2,071
Maintenance						
6. Dwellings	323	4,614	456	6,514	456	6,514
7. Ext. Utilities	0	0	0	0	0	0
8. Other Real Property	19	271	54	771	0	0
9. Alternations	-	-	-	-	-	-
Subtotal,	-	-	-	-	-	-
Maintenance	342	4,885	510	7,285	456	6,514
Appropriations Request	492	7,028	646	9,228	601	8,585
Reimbursable Program	0	0	0	0	0	0

LEASING SUMMARY
FAMILY HOUSING, DEFENSE AGENCIES
FY 1991

The FY 1991 leasing request by agency is as follows:

	FY 1990 No. of Units	Enacted Cost ($000)	FY 1991 No. of Units	Request Cost ($000)
Defense Mapping Agency	1	37	-	-
Defense Intelligence Agency	270	10,832	272	11,502
Reimbursable Program	-	-800	-	-800
Appropriation	-	10,032	-	10,702
National Security Agency	653	7,680	653	7,195
Total	924	17,749	926	17,897

The Defense Agency leases are located exclusively overseas, in many cases remote locations, where housing comparable to western standards is nonexistent or very scarce. Leasing in areas where suitable housing is in such short supply is very expensive which accounts for the fact that the bulk of the high-cost leases are concentrated in the Defense Agencies. An increase of 10 additional high-cost lease authorizations are required over the FY 1990 authorization for DIA activities.

A more detailed justification by agency is given on the following pages.

NATIONAL SECURITY AGENCY
Family Housing, Defense Agencies
Leasing

	FY 1990 No. of Units	Request Cost ($000)	FY 1991 No. of Units	Request Cost ($000)
Leasing	653	7,680	653	7,195

In order to fulfill NSA's mission, leases at classified locations overseas are required as the most cost-effective means of satisfying NSA personnel housing needs. In most cases, these units are located in remote areas and are the only way to ensure adequate housing and encourage the NSA workforce to accept overseas assignments.

Crosswalk between FY 1990 and FY 1991

	($000)
FY 1990 Budget	7,680
Inflation	+215
Change in Budget Rate	-700
	7,195

NATIONAL SECURITY AGENCY
Family Housing, Defense Agencies
Leasing

	FY 1989			FY 1990			FY 1991		
	No. of Units Req	Lease Months	Cost ($000)	No. of Units Req	Lease Months	Cost ($000)	No. of Units Req	Lease Months	Cost ($000)
FOREIGN LEASES									
WORLDWIDE									
Standard									
	430	5,160	2,938	430	5,160	3,572	430	5,160	3,353
Special Crypto Activities									
	223	2,676	4,147	223	2,676	4,108	223	2,676	3,842
TOTAL FOREIGN LEASES									
	653	7,836	7,085	653	7,836	7,680	653	7,836	7,195

Crosswalk Between FY 1990 and FY 1991

Leasing

FY 1990 Request	10,108.0
Escalation	294.0
Multiple Year Lease Payments	376.0
FY 1991 Request	10,702.0

DEFENSE INTELLIGENCE AGENCY
FAMILY HOUSING, DEFENSE AGENCIES
Leasing

	FY 1990			FY 1991		
	No. of Units Reqd	Lease Months	Enact Cost ($000)	No. of Units Reqd	Lease Months	Request Cost ($000)
Foreign Leases						
Classified Locations	270	3,240	10,832	272	3,264	11,502
Reimbursable			-800			-800
Total			10,032			10,702

Due to the sensitive nature of the information, country detail, to include lease months can be provided to the committee through separate channels. An additional 10 high-cost lease authorizations are required over the FY 1990 authorization for Defense Intelligence Agency activities.

DEPARTMENT OF DEFENSE

MILITARY CONSTRUCTION PROGRAM

FY 1991
NORTH ATLANTIC TREATY ORGANIZATION INFRASTRUCTURE PROGRAM

JANUARY 1990

JUSTIFICATION DATA SUBMITTED TO CONGRESS

(1055)

26-760 O—90——34

NATO Infrastructure

Program Summary: FY 1991

Activity	Authorization	Appropriation
NATO Infrastructure	$420,400,000	$420,400,000

DEPARTMENT OF DEFENSE

APPROPRIATION: North Atlantic Treaty Organization Infrastructure,
FY 1991

APPROPRIATION INTRODUCTION

This appropriation provides funds for the United States' share of the NATO Infrastructure Program. The program provides wartime-required operational facilities and projects to support the operations of NATO Military forces, including U.S. forces committed to NATO. The program is commonly funded by NATO member countries in accordance with an agreed cost sharing formula. Currently, the U.S. cost share is 27.82% of the total program cost. The NATO nations have collectively agreed to funding levels that cover multi-year periods. The amount for each multi-year period is established through negotiations and requires the unanimous approval of all the participating NATO countries.

DEPARTMENT OF DEFENSE

APPROPRIATION: North Atlantic Treaty Organization Infrastructure
FY 1991

APPROPRIATION LANGUAGE

NORTH ATLANTIC TREATY ORGANIZATION INFRASTRUCTURE

For the United States' share of the cost of North Atlantic Treaty Organization Infrastructure programs for the acquisition and construction of military facilities and installations (including international military headquarters) and for related expenses for the collective defense of the North Atlantic Treaty Area as authorized in military construction acts and section 2806 of Title 10, United States Code, $420,400,000 to remain available until expended.

1. COMPONENT DoD	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE Jan 90

3. INSTALLATION AND LOCATION NATO Infrastructure NATO Countries - Various	4. COMMAND	5. AREA CONSTR. COST INDEX

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF ....

c. AUTHORIZATION NOT YET IN INVENTORY ....

d. AUTHORIZATION REQUESTED IN THIS PROGRAM 420,400

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....

f. PLANNED IN NEXT THREE PROGRAM YEARS ....

g. REMAINING DEFICIENCY ....

h. GRAND TOTAL ....

8. PROJECTS REQUESTED IN THIS PROGRAM:

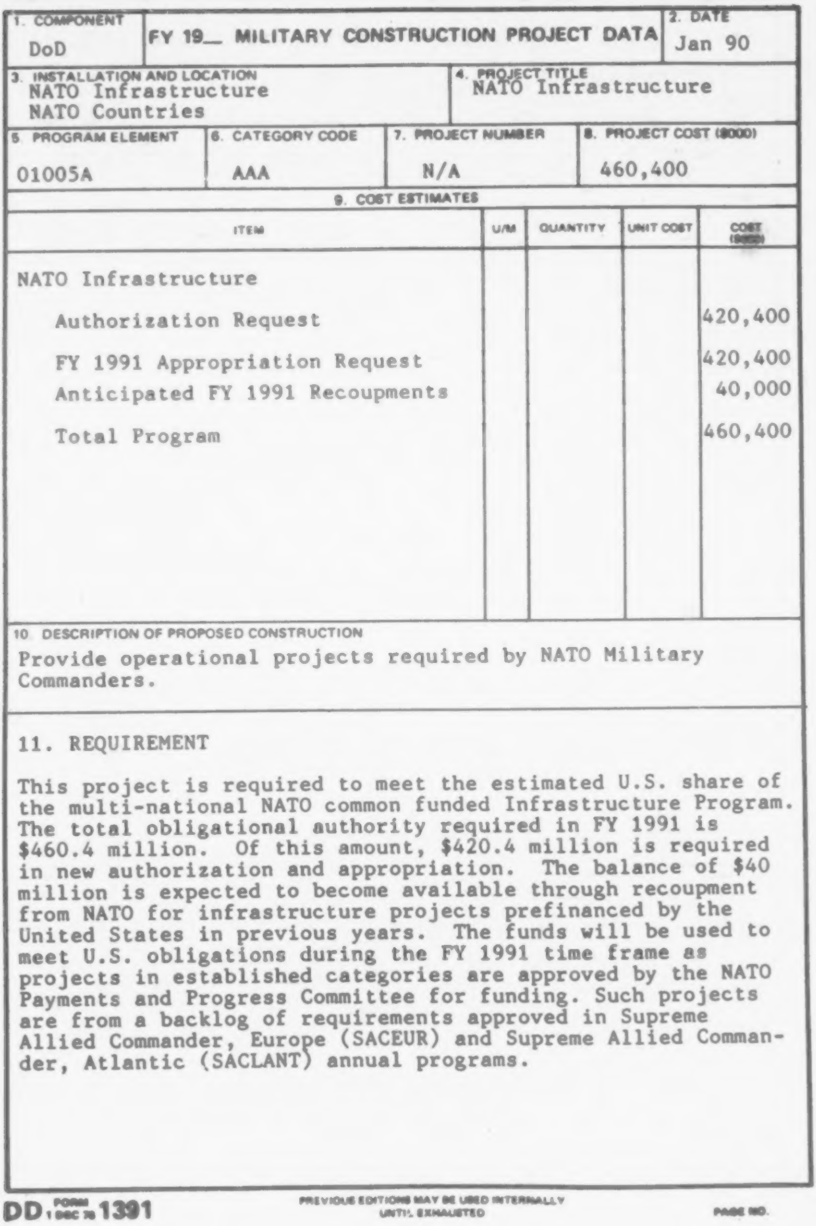
CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
AAA	NATO Infrastructure		420,400	Authorization	
			40,000	Recoupment	

9. MISSION OR MAJOR FUNCTIONS: The NATO Infrastructure Program is a commonly financed cost-sharing program for the construction of military facilities, acquisition of personal property, and other related projects required by NATO Commanders in member countries for use by NATO forces in support of NATO defense plans. The annual U.S. budget request for infrastructure is to provide funds for the U.S. contribution based on previously agreed cost-sharing formulas.

DD FORM 1 DEC 76 1390

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.



1. COMPONENT DoD	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE Jan 90

3. INSTALLATION AND LOCATION NATO Infrastructure NATO Countries	4. PROJECT TITLE NATO Infrastructure

5. PROGRAM ELEMENT 01005A	6. CATEGORY CODE AAA	7. PROJECT NUMBER N/A	8. PROJECT COST ($000) 460,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
NATO Infrastructure				
Authorization Request				420,400
FY 1991 Appropriation Request				420,400
Anticipated FY 1991 Recoupments				40,000
Total Program				460,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide operational projects required by NATO Military Commanders.

11. REQUIREMENT

This project is required to meet the estimated U.S. share of the multi-national NATO common funded Infrastructure Program. The total obligational authority required in FY 1991 is $460.4 million. Of this amount, $420.4 million is required in new authorization and appropriation. The balance of $40 million is expected to become available through recoupment from NATO for infrastructure projects prefinanced by the United States in previous years. The funds will be used to meet U.S. obligations during the FY 1991 time frame as projects in established categories are approved by the NATO Payments and Progress Committee for funding. Such projects are from a backlog of requirements approved in Supreme Allied Commander, Europe (SACEUR) and Supreme Allied Commander, Atlantic (SACLANT) annual programs.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

NATO Infrastructure
Program and Financing (in Thousands of dollars)

Identification code 97-0804-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1989 actual	1990 est.	1991 est.	Obligations 1989 actual	1990 est.	1991 est.
Program by activities:						
10.0001 Total	517,135	444,714	460,400	538,457	499,706	459,944
Financing:						
Offsetting collections from:						
14.0001 Non-Federal sources(-)	-56,135	-20,000	-40,000	-55,146	-20,000	-40,000
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-96,534	-74,223	-19,231
22.4001 Unobligated balance transferred from other a	-5,000			-5,000		
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				74,223	19,231	19,687
39.0001 Budget authority	456,000	424,714	420,400	456,000	424,714	420,400
Budget authority:						
40.0001 Appropriation	492,000	424,714	420,400	492,000	424,714	420,400
41.0001 Transferred to other accounts(-)	-197,000			-197,000		
42.0001 Transferred from other accounts	161,000			161,000		
43.0001 Appropriation (adjusted)	456,000	424,714	420,400	456,000	424,714	420,400
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				483,311	479,706	419,944
72.4001 Obligated balance, start of year				595,806	777,693	948,199
74.4001 Obligated balance, end of year				-777,693	-948,199	-958,343
90.0001 Outlays				301,424	309,200	409,800

NATO Infrastructure
Object Classification (in Thousands of dollars)

Identification code 97-0804-0-1-051		1989 actual	1990 est.	1991 est.
	Direct obligations:			
132.001	Land and structures	538,457	499,706	459,944
199.001	Total Direct obligations	538,457	499,706	459,944
999.901	Total obligations	538,457	499,706	459,944

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
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($ THOUSANDS)

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STATE/COMP./INSTALLATION ------------------PROJECT NAME---------------	PROJ COST	TOTAL
ALABAMA		
ARMY		
ANNISTON ARMY DEPOT		
M-1 ENGINE REBUILD FACILITY ADDITION	2,300	
ANNISTON ARMY DEPOT		2,300
FORT MCCLELLAN		
APPLIED INSTRUCTION FACILITY	2,750	
FORT MCCLELLAN		2,750
REDSTONE ARSENAL		
LABORATORY FACILITY ADDITION	17,500	
SCIENTIFIC LIBRARY	890	
REDSTONE ARSENAL		18,390
FORT RUCKER		
AUTOMATED RECORD FIRE RANGE	1,150	
TRAINING SUPPORT CENTER	2,450	
FORT RUCKER		3,600

**ARMY		27,040
NAVY		
MOBILE NAVAL STATION		
MESS HALL	880	
PHYSICAL FITNESS FACILITY	2,220	
SITE IMPROVEMENT MITIGATION	865	
MOBILE NAVAL STATION		3,965
AIR FORCE		
GUNTER AFB		
ADD TO SOFTWARE DEVELOPMENT FAC-PH III	6,400	
BASE ENGINEER/VEHICLE MAINTENANCE COMPLEX	4,800	
FIRE STATION	900	
GUNTER AFB		12,100
MAXWELL AFB		
ADD/ALTER CONSOLIDATED SUPPORT COMPLEX	700	
VISITING OFFICERS' QUARTERS	820	
MAXWELL AFB		1,520

**AIR FORCE		13,620
DEFENSE MEDICAL SUPPORT ACTIVITY		
MAXWELL AIR FORCE BASE		
HOSPITAL LIFE SAFETY UPGRADE	1,600	
MAXWELL AIR FORCE BASE		1,600
MOBILE NAVAL STATION		
MEDICAL/DENTAL CLINIC	3,000	
MOBILE NAVAL STATION		3,000

**DEFENSE MEDICAL SUPPORT ACTIVITY		4,600
ARMY NATIONAL GUARD		
ALICEVILLE		
ARMORY, 60-PERSON	709	
ALICEVILLE		709
BIRMINGHAM		
AVN POL JOINT ARNG/ANG COMPLEX	932	
BIRMINGHAM		932
CITRONELLE		
ARMORY	400	
CITRONELLE		400

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 FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

       ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 29 JAN 1990
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STATE/COMP./INSTALLATION                           PROJ COST       TOTAL
-------------------PROJECT NAME----------------   ----------  ----------
ALABAMA
  ARMY NATIONAL GUARD
    HUNTSVILLE
     ARMORY                                              886
      HUNTSVILLE                                                     886
                                                              ----------
  **ARMY NATIONAL GUARD                                            2,927

  AIR NATIONAL GUARD
    BIRMINGHAM MAP
     JET FUEL STORAGE COMPLEX (JOINT W/ARMY)           3,000
      BIRMINGHAM MAP                                               3,000

    MARTIN ANG (GADSDEN)
     BASE SUPPLY AND EQUIPMENT WAREHOUSE               3,000
      MARTIN ANG (GADSDEN)                                         3,000
                                                              ----------
  **AIR NATIONAL GUARD                                             6,000

  NAVY RESERVE
    NRC HUNTSVILLE
     RESERVE CENTER ACQUISITION                        1,052
      NRC HUNTSVILLE                                               1,052

  AIR FORCE RESERVE
    MAXWELL AFB
     COMPOSITE TRAINING FACILITY                       1,770
      MAXWELL AFB                                                  1,770

***FAMILY HOUSING***

  ARMY
    FORT RUCKER
     NEW CONSTRUCTION                                  [300]
      FORT RUCKER
        FAMILY HOUSING                                                [300]
                                                              ----------
**ALABAMA                                                         60,974
        FAMILY HOUSING                                                [300]


ALASKA
  ARMY
    FT J M WAINWRIGHT
     PHYSICAL FITNESS TRAINING CENTER                 14,800
      FT J M WAINWRIGHT                                           14,800

    FORT RICHARDSON
     COMMUNICATIONS FACILITY                           3,350
      FORT RICHARDSON                                              3,350
                                                              ----------
  **ARMY                                                          18,150

  NAVY
    ADAK NAVAL AIR STATION
     AIRCRAFT DIRECT FUELING STATION                   2,300
     BACHELOR ENLISTED QUARTERS ADDITION               8,700
     HARPOON MISSILE MAGAZINE & INERT STOREHSE         3,500
     ORDNANCE HANDLING PAD                             4,370
      ADAK NAVAL AIR STATION                                      18,870

  AIR FORCE
    CLEAR AFS
     ALTER DORMITORY-PHASE I                           5,000
      CLEAR AFS                                                    5,000

    EIELSON AFB
     ADD TO AND ALTER VEHICLE MAINT COMPLEX           11,000
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ALASKA		
AIR FORCE		
EIELSON AFB		
SUPPLY COMPLEX	10,000	
EIELSON AFB		21,000
ELMENDORF AFB		
COMBAT ARMS TRAINING AND MAINTENANCE FAC	2,400	
ELMENDORF AFB		2,400
KING SALMON AFB		
EXPAND PARKING APRON	6,000	
FIRE PROTECTION	2,000	
KING SALMON AFB		8,000
SHEMYA AFB		
COLD STORAGE AND SUBSISTENCE WAREHOUSE	8,100	
CONSOLIDATED COMMUNICATIONS FACILITY	4,550	
POL OPERATIONS FACILITY	4,750	
UPGRADE POL SYSTEM	3,800	
UPGRADE WATER SYSTEM-PHASE II	1,500	
SHEMYA AFB		22,700
**AIR FORCE		59,100
DEFENSE MEDICAL SUPPORT ACTIVITY		
ADAK NAVAL AIR STATION		
FLEET HOSPITAL FACILITY 23	18,000	
ADAK NAVAL AIR STATION		18,000
ARMY NATIONAL GUARD		
NOORVIK		
ARMORY, SCOUT, EXPANSION	267	
NOORVIK		267
TUNUNAK		
ARMORY, SCOUT, EXPANSION	267	
TUNUNAK		267
WAINWRIGHT		
ARMORY, SCOUT, EXPANSION	267	
WAINWRIGHT		267
**ARMY NATIONAL GUARD		801
AIR NATIONAL GUARD		
EIELSON AFB		
ALTER COMPOSITE SQUAD OPS AND TNG FAC	2,300	
EIELSON AFB		2,300
NAVY RESERVE		
NRF ANCHORAGE		
RESERVE CENTER ACQUISITION	1,200	
NRF ANCHORAGE		1,200
AIR FORCE RESERVE		
ELMENDORF AFB		
CIVIL ENGINEERING TRAINING FACILITY	1,400	
ELMENDORF AFB		1,400
**ALASKA		119,821
ARIZONA		
ARMY		
FORT HUACHUCA		
BARRACKS	9,900	
FORT HUACHUCA		9,900

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STATE/COMP./INSTALLATION --------------------PROJECT NAME---------------	PROJ COST	TOTAL
ARIZONA		
ARMY		
YUMA PROVING GROUND		
AIR CARGO TEST PREPARATION COMPLEX	11,400	
YUMA PROVING GROUND		11,400
**ARMY		21,300
NAVY		
YUMA MARINE CORPS AIR STATION		
AIRCRAFT POWER CHECK PADS	900	
YUMA MARINE CORPS AIR STATION		900
AIR FORCE		
DAVIS-MONTHAN AFB		
A10-ADD TO AND ALTER AIRCRAFT ENGINE SHOP	2,000	
AIRCRAFT MAINTENANCE DOCK	2,200	
TRAFFIC MANAGEMENT COMPLEX	4,000	
DAVIS-MONTHAN AFB		8,200
LUKE AFB		
DORMITORY	3,200	
MUNITIONS STORAGE IGLOOS	770	
LUKE AFB		3,970
WILLIAMS AFB		
WATER SUPPLY COMPLEX	1,850	
WILLIAMS AFB		1,850
**AIR FORCE		14,020
ARMY NATIONAL GUARD		
PHOENIX		
ARMORY, ADDITION/ALTERATION	2,097	
PHOENIX		2,097
SHOW LOW		
OMSS 4A	500	
SHOW LOW		500
**ARMY NATIONAL GUARD		2,597
AIR NATIONAL GUARD		
FORT HUACHUCA		
COMPOSITE DEPLOYMENT SUPPORT FACILITY	2,350	
FORT HUACHUCA		2,350
AIR FORCE RESERVE		
LUKE AFB		
ADD FIRE PROTECTION-AIRCRAFT HANGAR	650	
LUKE AFB		650
**ARIZONA		41,817
ARKANSAS		
AIR FORCE		
EAKER AFB		
CIVIL ENGINEERING SHOP FACILITY	2,700	
MUNITIONS CONVOY ROADS	500	
WATER WELL AND STORAGE TANK	850	
EAKER AFB		4,050
ARMY NATIONAL GUARD		
CAMDEN		
ARMORY	647	
CAMDEN		647

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ARKANSAS		
ARMY RESERVE		
FORT CHAFFEE		
REGIONAL TRAINING SITE-MEDICAL	2,097	
FORT CHAFFEE		2,097

**ARKANSAS		6,794
CALIFORNIA		
ARMY		
FT IRWIN		
DINING FACILITY	3,350	
ELECTRICAL SWITCHGEAR/DISTRIBUTION	1,600	
FT IRWIN		4,950
FORT ORD		
AUTOMATED RECORD FIRE RANGE	2,450	
FORT ORD		2,450
SACRAMENTO ARMY DEPOT		
MICROWAVE/RADAR MAINTENANCE FACILITY	3,900	
SACRAMENTO ARMY DEPOT		3,900

**ARMY		11,300
NAVY		
CAMP PENDLETON MARINE CORPS AIR STATION		
FLIGHT LINE SECURITY IMPROVEMENTS	2,100	
CAMP PENDLETON MARINE CORPS AIR STATION		2,100
CAMP PENDLETON MARINE CORPS BASE		
AIR DEFENSE OPERATIONS CENTER	7,300	
BACHELOR ENLISTED QUARTERS	24,500	
COMBINED ARMS STAFF TRAINER FACILITY	2,800	
OPERATIONS SUPPORT FACILITY	3,250	
TACTICAL COMPONENTS STORAGE FACILITY	850	
TACTICAL SYSTEMS TEST AND SUPPORT CENTER	5,000	
TACTICAL VEHICLE MAINTENANCE FACILITY	13,900	
CAMP PENDLETON MARINE CORPS BASE		57,600
CHINA LAKE NAVAL WEAPONS CENTER		
MISSILE ENGAGEMENT SIMULATION ARENA	17,500	
CHINA LAKE NAVAL WEAPONS CENTER		17,500
CONCORD NAVAL WEAPONS STATION		
MISSILE INTEGRATION FACILITY	2,440	
POTABLE WATER SYSTEM IMPROVEMENTS	3,200	
CONCORD NAVAL WEAPONS STATION		5,640
CORONADO NAVAL AMPHIBIOUS BASE		
OPERATIONAL STORAGE WAREHOUSE	4,370	
SPECIAL WARFARE COMMAND HEADQUARTERS	3,400	
CORONADO NAVAL AMPHIBIOUS BASE		7,770
CORONADO SURFACE WARFARE OFF SCOL CMD DET		
SURFACE WARFARE INSTRUCTION BUILDING	4,360	
CORONADO SURFACE WARFARE OFF SCOL CMD DET		4,360
EL CENTRO NAVAL AIR FACILITY		
BACHELOR ENLISTED QUARTERS	7,200	
EL CENTRO NAVAL AIR FACILITY		7,200
LEMOORE NAVAL AIR STATION		
CENTRIFUGE TRAINER FACILITY	2,100	
LEMOORE NAVAL AIR STATION		2,100

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
NAVY		
MOFFETT FIELD NAVAL AIR STATION		
CHILD CARE CENTER	1,000	
MOFFETT FIELD NAVAL AIR STATION		1,000
MONTEREY FLEET NUMERICAL OCEANOGRAPHY CTR		
METEOROLOGICAL BUILDING ADDITION	750	
MONTEREY FLEET NUMERICAL OCEANOGRAPHY CTR		750
MONTEREY NAVAL POSTGRADUATE SCHOOL		
ACADEMIC LIBRARY ADDITION	5,000	
CHILD CARE CENTER	2,000	
CLASSROOM AND APPLIED LABORATORY FACILITY	11,690	
MONTEREY NAVAL POSTGRADUATE SCHOOL		18,690
NORTH ISLAND NAVAL AIR STATION		
PIER ELECTRIC POWER UPGRADE	6,160	
NORTH ISLAND NAVAL AIR STATION		6,160
SAN DIEGO FLEET ANTI-SUB WAR TRNG CTR PAC		
CHILLED WATER PLANT UPGRADE	820	
SAN DIEGO FLEET ANTI-SUB WAR TRNG CTR PAC		820
SAN DIEGO FLEET COMBAT TRNG CTR PACIFIC		
SECURITY UPGRADE	3,670	
SAN DIEGO FLEET COMBAT TRNG CTR PACIFIC		3,670
SAN DIEGO FLEET INTELLIGENCE TRNG CTR PAC		
INTELLIGENCE TRAINING BUILDING ADDITION	2,500	
SAN DIEGO FLEET INTELLIGENCE TRNG CTR PAC		2,500
SAN DIEGO FLEET TRAINING CENTER		
FIRE FIGHTING TRAINER FACILITY	12,800	
SAN DIEGO FLEET TRAINING CENTER		12,800
SAN DIEGO INTEGRATED COMBAT SYS TEST FAC		
ELECTRONICS SYSTEMS INTEGRATION LABORATORY	4,100	
SAN DIEGO INTEGRATED COMBAT SYS TEST FAC		4,100
SAN DIEGO MARINE CORPS RECRUIT DEPOT		
CHILD CARE CENTER	540	
MESS HALL ADDITION	2,530	
SAN DIEGO MARINE CORPS RECRUIT DEPOT		3,070
SAN DIEGO NAVAL HOSPITAL		
PARKING STRUCTURE	7,500	
REGIONAL MEDICAL CENTER-SUPPORT FACILITIES	5,000	
SAN DIEGO NAVAL HOSPITAL		12,500
SAN DIEGO NAVAL OCEAN SYSTEMS CENTER		
PHYSICS LABORATORY SAFETY IMPROVEMENTS	1,300	
SAN DIEGO NAVAL OCEAN SYSTEMS CENTER		1,300
SAN DIEGO NAVAL STATION		
CHILD CARE CENTER	1,000	
SAN DIEGO NAVAL STATION		1,000
SAN DIEGO ~~NAVAL~~ SUBMARINE BASE		
WATERFRONT INDUSTRIAL FACILITY	10,800	
SAN DIEGO NAVAL SUBMARINE BASE		10,800
SAN DIEGO NAVAL TRAINING CENTER		
BRIDGE	4,800	
CHILD CARE CENTER	2,350	
SAN DIEGO NAVAL TRAINING CENTER		7,150

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
NAVY		
SAN DIEGO NAVY PUBLIC WORKS CENTER		
HAZARDOUS WASTE STORAGE FACILITIES	2,900	
MUNICIPAL SEWER CONNECTION	1,500	
SAN DIEGO NAVY PUBLIC WORKS CENTER		4,400
SAN FRANCISCO NAVY PUBLIC WORKS CENTER		
HANDICAPPED ACCESS IMPROVEMENTS	360	
WATER SUPPLY SYSTEM IMPROVEMENTS	3,550	
SAN FRANCISCO NAVY PUBLIC WORKS CENTER		3,910
SEAL BEACH NAVAL WEAPONS STATION		
MISSILE MAGAZINES	9,000	
SEAL BEACH NAVAL WEAPONS STATION		9,000
TUSTIN MARINE CORPS AIR STATION		
FLIGHT LINE SECURITY IMPROVEMENTS	2,350	
HAZARDOUS AND FLAMMABLE STOREHOUSE	640	
TUSTIN MARINE CORPS AIR STATION		2,990
TWENTYNINE PALMS MARCORP AIR-GRND COMB CTR		
ELECTRONICS COMMUNICATIONS MAINT SHOP	1,550	
SMALL ARMS RANGE IMPROVEMENTS	1,590	
TWENTYNINE PALMS MARCORP AIR-GRND COMB CTR		3,140
VALLEJO MARE ISLAND NAVAL SHIPYARD		
CONTROLLED INDUSTRIAL BUILDING ADDITION	6,300	
DREDGED MATERIALS HANDLING FACILITIES IMPS	2,700	
VALLEJO MARE ISLAND NAVAL SHIPYARD		9,000
**NAVY		223,020
AIR FORCE		
BEALE AFB		
ALERT CREW FACILITY	3,100	
DORMITORY	5,600	
U2R-WEATHER SHELTER	3,522	
UPGRADE ALERT COMPLEX	1,250	
BEALE AFB		13,472
CASTLE AFB		
DINING FACILITY	3,900	
CASTLE AFB		3,900
EDWARDS AFB		
FLIGHT TEST ENGINEERING AND MGMT FAC	12,400	
EDWARDS AFB		12,400
MCCLELLAN AFB		
ADD TO AND ALTER CHILD DEVELOPMENT CTR	1,830	
ADD TO AND ALTER DEPOT HYDRAULIC FACILITY	7,400	
JET FUEL STORAGE COMPLEX	4,000	
UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	9,500	
VEHICLE MAINTENANCE FACILITY	5,000	
MCCLELLAN AFB		27,730
ONIZUKA AFS		
UPGRADE POWER DISTRIBUTION SYSTEM	14,800	
ONIZUKA AFS		14,800
TRAVIS AFB		
ALTER SUPPORT CENTER	9,000	
TRAVIS AFB		9,000
VANDENBERG AFB		
EMERGENCY ELECTRIC BACKUP POWER PLANT	7,450	

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
AIR FORCE		
VANDENBERG AFB		
VEHICLE MAINTENANCE COMPLEX	6,100	
VANDENBERG AFB		13,550
**AIR FORCE		94,852
DEFENSE MEDICAL SUPPORT ACTIVITY		
TWENTYNINE PALMS		
HOSPITAL/DENTAL CLINIC REPLACEMENT	38,000	
TWENTYNINE PALMS		38,000
DEFENSE LOGISTICS AGENCY		
DEFENSE DEPOT TRACY		
SUBSISTENCE WAREHOUSE	24,000	
DEFENSE DEPOT TRACY		24,000
ARMY NATIONAL GUARD		
CAMP ROBERTS		
MATES ADDITION/ALTERATION	6,014	
TRNG SITE, HQ BUILDING	765	
CAMP ROBERTS		6,779
CAMP SAN LUIS OBISPO		
RANGE, MAC	842	
CAMP SAN LUIS OBISPO		842
LONG BEACH		
PAINT SHOP VENTILATION	250	
LONG BEACH		250
LOS ALAMITOS AFRC		
ARMY AVIATION SUPPORT FACILITY ADD/ALT	1,212	
LOS ALAMITOS AFRC		1,212
PITTSBURGH		
ORGANIZATIONAL MAINTENANCE SHOP29 ALT	324	
PITTSBURGH		324
SACRAMENTO		
ARMORY	2,146	
AVN AASF C-12 AIRCRAFT HANGAR	498	
SACRAMENTO		2,644
**ARMY NATIONAL GUARD		12,051
AIR NATIONAL GUARD		
CHANNEL ISLANDS ANGB		
FUEL CELL AND CORROSION CONTROL DOCK	3,800	
JET FUEL STORAGE COMPLEX	3,100	
CHANNEL ISLANDS ANGB		6,900
FRESNO ANGB		
ADD TO/ALTER COMPOSITE AVIONICS/ENG SHOP	1,100	
FRESNO ANGB		1,100
SEPULVEDA ANG ANNEX		
COMPOSITE VEHICLE MAINT AND AGE FACILITY	1,700	
SEPULVEDA ANG ANNEX		1,700
**AIR NATIONAL GUARD		9,700
ARMY RESERVE		
CAMP PARKS		
REGIONAL TRAINING SITE-MEDICAL	2,777	
CAMP PARKS		2,777

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
ARMY RESERVE		
LOS ALAMITOS		
AVIATION FLIGHT ACTIVITY	9,792	
LOS ALAMITOS		9,792
**ARMY RESERVE		12,569
NAVY RESERVE		
NMCRC BAKERSFIELD		
LAND ACQUISITION	1,000	
NMCRC BAKERSFIELD		1,000
NMCRC SAN BERNADINO		
RESERVE TRAINING BUILDING	5,350	
NMCRC SAN BERNADINO		5,350
NMCRC SAN DIEGO		
AIRCRAFT MAINTENANCE HANGAR	6,700	
NMCRC SAN DIEGO		6,700
**NAVY RESERVE		13,050
FAMILY HOUSING		
NAVY		
MARINE CORPS AIR STATION EL TORO		
NEW CONSTRUCTION (200)	[15,000]	
MARINE CORPS AIR STATION EL TORO FAMILY HOUSING		[15,000]
MARINE CORPS BASE CAMP PENDLETON		
NEW CONSTRUCTION (295)	[25,150]	
MARINE CORPS BASE CAMP PENDLETON FAMILY HOUSING		[25,150]
NAS MOFFETT FIELD		
NEW CONSTRUCTION (74)	[6,600]	
NAS MOFFETT FIELD FAMILY HOUSING		[6,600]
PUBLIC WORKS CENTER SAN FRANCISCO		
NEW CONSTRUCTION (344)	[28,350]	
PUBLIC WORKS CENTER SAN FRANCISCO FAMILY HOUSING		[28,350]
**NAVY FAMILY HOUSING		[75,100]
**CALIFORNIA		438,542
FAMILY HOUSING		[75,100]
COLORADO		
ARMY		
FORT CARSON		
AUTOMATED RECORD FIRE RANGE	2,250	
COLD STORAGE FACILITY	2,450	
FORT CARSON		4,700
FITZSIMONS ARMY MEDICAL CENTER		
CHILD DEVELOPMENT CENTER	2,100	
FITZSIMONS ARMY MEDICAL CENTER		2,100
**ARMY		6,800
AIR FORCE		
LOWRY AFB		
LOGISTICS SUPPORT FACILITY	19,050	

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
COLORADO		
AIR FORCE		
LOWRY AFB		
PRECISION MEASUREMENT EQUIPMENT LAB	2,200	
LOWRY AFB		21,250
DEFENSE MEDICAL SUPPORT ACTIVITY		
FITZSIMMONS ARMY MED CTR		
LIFE SAFETY UPGRADE	5,200	
FITZSIMMONS ARMY MED CTR		5,200
ARMY NATIONAL GUARD		
DURANGO		
ARMORY, 60 PERSON	906	
DURANGO		906
MONTROSE		
ARMORY, 60-PERSON	1,698	
MONTROSE		1,698
**ARMY NATIONAL GUARD		2,604
AIR NATIONAL GUARD		
BUCKLEY ANGB		
MEDICAL TRAINING FACILITY	1,200	
SQUADRON OPERATIONS FACILITY	9,300	
BUCKLEY ANGB		10,500
**COLORADO		46,354
CONNECTICUT		
NAVY		
NEW LONDON NAVAL SUBMARINE BASE		
BACHELOR ENLISTED QUARTERS	11,900	
BOILER PLANT MODIFICATIONS	2,750	
CHILD CARE CENTER	1,000	
MUNICIPAL SEWER CONNECTION	3,700	
WEAPONS FACILITY (INCREMENT II)	1,400	
WEAPONS STORAGE IMPROVEMENTS	3,500	
NEW LONDON NAVAL SUBMARINE BASE		24,250
NEW LONDON NAVAL SUBMARINE SCHOOL		
OPERATIONAL TRAINER FACILITY	8,200	
NEW LONDON NAVAL SUBMARINE SCHOOL		8,200
NEW LONDON NAVAL UNDERWATER SYSTEMS CENTER		
ELECTROMAGNETIC SYSTEMS LABORATORY	12,600	
NEW LONDON NAVAL UNDERWATER SYSTEMS CENTER		12,600
**NAVY		45,050
DELAWARE		
AIR FORCE		
DOVER AFB		
ADD TO APRON	4,100	
OPERATIONS COMMAND POST	4,200	
DOVER AFB		8,300
AIR FORCE RESERVE		
DOVER AFB		
ADD/ALTER OPERATIONAL TRAINING FACILITY	1,600	
DOVER AFB		1,600
**DELAWARE		9,900

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
DISTRICT OF COLUMBIA		
ARMY		
WALTER REED ARMY MED CTR		
PARKING STRUCTURE	11,000	
WALTER REED ARMY MED CTR		11,000
NAVY		
WASHINGTON COMMANDANT NAVAL DISTRICT		
STEAM PLANT SYSTEM MODERNIZATION	420	
WASHINGTON COMMANDANT NAVAL DISTRICT		420
WASHINGTON NAVAL OBSERVATORY		
LABORATORY EXPANSION	2,500	
WASHINGTON NAVAL OBSERVATORY		2,500
**NAVY		2,920
**DISTRICT OF COLUMBIA		13,920
FLORIDA		
ARMY		
KEY WEST		
SOF-SPECIAL FORCES TRAINING FACILITY	8,500	
KEY WEST		8,500
NAVY		
CECIL FIELD NAVAL AIR STATION		
ENGINE MAINTENANCE SHOP	1,070	
STRIKE FIGHTER WEAPONS SCHOOL	900	
CECIL FIELD NAVAL AIR STATION		1,970
JACKSONVILLE NAVAL HOSPITAL		
BACHELOR ENLISTED QUARTERS	2,080	
JACKSONVILLE NAVAL HOSPITAL		2,080
MAYPORT NAVAL STATION		
WHARF REPAIR	19,920	
MAYPORT NAVAL STATION		19,920
ORLANDO NAVAL TRAINING CENTER		
ELECTRONIC TECHNICIAN SCHOOL	14,190	
FIRE FIGHTING TRAINING FACILITIES	4,210	
ORLANDO NAVAL TRAINING CENTER		18,400
PANAMA CITY NAVAL DIV & SALVAGE TRNG CTR		
DIVER TRAINING BUILDING ADDITION	4,300	
PANAMA CITY NAVAL DIV & SALVAGE TRNG CTR		4,300
PANAMA CITY NAVY EXPERIMENTAL DIVING UNIT		
UNDERWATER EQUIPMENT SUPPORT COMPLEX	2,900	
PANAMA CITY NAVY EXPERIMENTAL DIVING UNIT		2,900
PENSACOLA NAVY PUBLC WORKS CENTER		
WASTEWATER TRANSFER SYSTEM	2,100	
PENSACOLA NAVY PUBLC WORKS CENTER		2,100
**NAVY		51,670
AIR FORCE		
CAPE CANAVERAL AFS		
SOLID ROCKET MOTOR ASSEMBLY FACILITY	89,000	
CAPE CANAVERAL AFS		89,000
EGLIN AFB		
ADD TO COMPUTER SERVICES CENTER	9,900	

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STATE/COMP./INSTALLATION ------------------PROJECT NAME---------------	PROJ COST	TOTAL
FLORIDA		
AIR FORCE		
EGLIN AFB		
CONTROL TOWER	2,200	
EGLIN AFB		12,100
EGLIN AFB AUXILIARY FIELD 9		
SOF-ADD TO INTELLIGENCE FACILITY	660	
SOF-APRON ADDITION	2,000	
SOF-BASE ENGINEER COMPLEX	4,600	
SOF-DINING FACILITY	2,300	
SOF-ELECTRIC SUBSTATION	2,500	
SOF-EXPAND SEWAGE TREATMENT PLANT	2,000	
SOF-EXPLOSIVE ORDNANCE DISPOSAL FACILITY	690	
SOF-FUEL SYSTEMS MAINTENANCE DOCK	3,550	
SOF-SUPPLY COMPLEX	3,600	
EGLIN AFB AUXILIARY FIELD 9		21,900
HOMESTEAD AFB		
ADD TO TRANSIENT DORMITORY	1,950	
ALTER DORMITORIES	5,400	
HOMESTEAD AFB		7,350
MACDILL AFB		
F16-AVIONICS SHOP	3,550	
FUELS MOBILITY SUPPORT EQUIPMENT WHSE	940	
MACDILL AFB		4,490
PATRICK AFB		
DINING FACILITY	3,800	
PATRICK AFB		3,800
TYNDALL AFB		
COMBAT SUPPORT TRAINING COMPLEX-PHASE II	7,000	
F15-TACTICAL TRAINING FACILITY	1,500	
TYNDALL AFB		8,500
**AIR FORCE		147,140
DEFENSE MEDICAL SUPPORT ACTIVITY		
HURLBURT FIELD		
MEDICAL/DENTAL CLINIC REPLACEMENT	6,000	
HURLBURT FIELD		6,000
JACKSONVILLE NAVAL AIR STATION		
HOSPITAL FIRE PROTECTION	2,400	
JACKSONVILLE NAVAL AIR STATION		2,400
PATRICK AIR FORCE BASE		
DENTAL CLINIC REPLACEMENT	2,700	
PATRICK AIR FORCE BASE		2,700
**DEFENSE MEDICAL SUPPORT ACTIVITY		11,100
DEFENSE LOGISTICS AGENCY		
DEF REUTIL AND MARKTNG OFC EGLIN AFB		
COVERED STORAGE	2,750	
DEF REUTIL AND MARKTNG OFC EGLIN AFB		2,750
ARMY NATIONAL GUARD		
CAMP BLANDING		
STATE MILITARY ACADEMY	1,276	
CAMP BLANDING		1,276
ST AUGUSTINE		
ARMORY, 200-PERSON	2,332	
ST AUGUSTINE		2,332

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
FLORIDA		
ARMY NATIONAL GUARD		
TAMPA		
ORGANIZATIONAL MAINTENANCE SHOP	604	
TAMPA		604
**ARMY NATIONAL GUARD		4,212
AIR FORCE RESERVE		
HOMESTEAD AFB		
CIVIL ENGINEERING TRAINING FACILITY	800	
HOMESTEAD AFB		800
**FLORIDA		226,172
GEORGIA		
ARMY		
FORT BENNING		
BARRACKS MODERNIZATION	2,000	
CHILD DEVELOPMENT CENTER	2,600	
FUEL STORAGE FACILITY	3,650	
TACTICAL EQUIPMENT SHOP	2,600	
URBAN TERRAIN ASSAULT COURSE	1,250	
FORT BENNING		12,100
FORT GORDON		
APPLIED INSTRUCTION FACILITY	4,000	
FORT GORDON		4,000
FT STEWART/HUNTER AAF		
MODERNIZE SEWAGE TREATMENT PLANT	2,500	
PAVE TANK TRAILS	2,700	
FT STEWART/HUNTER AAF		5,200
**ARMY		21,300
NAVY		
ALBANY MARINE CORPS LOGISTICS BASE		
CALIBRATION EQUIPMENT TEST FACILITY	3,250	
COMBAT VEHICLE MAINTENANCE SHOP	1,300	
ALBANY MARINE CORPS LOGISTICS BASE		4,550
ATHENS NAVY SUPPLY CORPS SCHOOL		
CHILD CARE CENTER	1,000	
ATHENS NAVY SUPPLY CORPS SCHOOL		1,000
KINGS BAY NAVAL SUBMARINE BASE		
BACHELOR ENLISTED QUARTERS	13,600	
COMMUNITY IMPACT ASSISTANCE	11,550	
DREDGING DIKES	6,870	
MAGNETIC SILENCING FACILITY	18,020	
ORDNANCE OPERATIONS	5,330	
STRATEGIC WEAPONS MAGAZINES	7,600	
UTILITIES AND SITE IMPROVEMENTS	3,720	
KINGS BAY NAVAL SUBMARINE BASE		66,690
**NAVY		72,240
AIR FORCE		
ROBINS AFB		
F15-WING REPAIR FACILITY	23,000	
LOGISTICS COMPLEX	9,300	
MILSTAR COMMUNICATIONS GROUND TERMINAL	330	
UPGRADE AIR CONDITIONING FOR DEPOT LABS	720	
ROBINS AFB		33,350

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GEORGIA		
ARMY NATIONAL GUARD		
WINDER		
ARMORY, ADDITION/ALTERATION	958	
ORGANIZATIONAL MAINTENANCE SHOP & ADD	284	
WINDER		1,242
AIR NATIONAL GUARD		
DOBBINS AFB		
ADD TO MEDICAL TRAINING FAC (JOINT W/AFR)	725	
MUNITIONS MAINTENANCE AND STORAGE FAC	2,400	
WEAPONS RELEASE SHOP	1,200	
DOBBINS AFB		4,325
ARMY RESERVE		
FORT GILLEM		
MILITARY INTELL CONSOLIDATED TRAINING FAC	1,952	
FORT GILLEM		1,952
FORT GORDON		
REGIONAL TRAINING SITE-MEDICAL	2,236	
FORT GORDON		2,236
**ARMY RESERVE		4,188
AIR FORCE RESERVE		
DOBBINS AFB		
ADD/ALTER MEDICAL TRAINING (W/ANG)	725	
DOBBINS AFB		725
**GEORGIA		137,370
HAWAII		
ARMY		
SCHOFIELD BARRACKS		
MILITARY OPERATIONS ON URBANIZED TERRAIN	5,600	
MULTI-PURPOSE MACHINE GUN RANGE	4,400	
SCHOFIELD BARRACKS		10,000
FORT SHAFTER		
BARRACKS WITH DINING FACILITY	9,300	
FORT SHAFTER		9,300
**ARMY		19,300
NAVY		
KANEOHE BAY MARINE CORPS AIR STATION		
MAINTENANCE HANGARS MODIFICATIONS	7,950	
SPECIALIZED COMPARTMENTED INFORMATION FAC	5,200	
KANEOHE BAY MARINE CORPS AIR STATION		13,150
LUALUALEI NAVAL MAGAZINE		
TOMAHAWK MISSILE MAGAZINES	4,600	
LUALUALEI NAVAL MAGAZINE		4,600
PEARL HARBOR NAVAL SUBMARINE BASE		
GENERAL PURPOSE BERTHING WHARF	18,600	
PEARL HARBOR NAVAL SUBMARINE BASE		18,600
PEARL HARBOR NAVAL SUBMARINE TRNG CTR PAC		
FIRE FIGHTING & DAMAGE CTRL TRNR FACS	5,550	
PEARL HARBOR NAVAL SUBMARINE TRNG CTR PAC		5,550
PEARL HARBOR NAVY PUBLIC WORKS CENTER		
SANITARY WASTEWATER SYSTEM	750	
PEARL HARBOR NAVY PUBLIC WORKS CENTER		750

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
HAWAII		
NAVY		
WAHIAWA NAV COMMS AREA MASTER STA EASTPAC		
COMMUNICATIONS CTR SECURITY IMPROVEMENTS	8,000	
WAHIAWA NAV COMMS AREA MASTER STA EASTPAC		8,000
**NAVY		50,650
AIR FORCE		
HICKAM AFB		
FIRE PROTECTION-INTELLIGENCE FACILITY	530	
HICKAM AFB		530
AIR NATIONAL GUARD		
HICKAM AFB		
ALTER AIRCRAFT ENGINE SHOP	570	
APRON ADDITION	3,300	
HICKAM AFB		3,870
FAMILY HOUSING		
ARMY		
HELEMANO		
NEW CONSTRUCTION (90)	[10,322]	
HELEMANO FAMILY HOUSING		[10,322]
HICKAM AFB		
NEW CONSTRUCTION (20)	[2,500]	
HICKAM AFB FAMILY HOUSING		[2,500]
KANEOHE MCAS		
NEW CONSTRUCTION (40)	[4,700]	
KANEOHE MCAS FAMILY HOUSING		[4,700]
VARIOUS OAHU		
NEW CONSTRUCTION (180)	[18,000]	
VARIOUS OAHU FAMILY HOUSING		[18,000]
**ARMY FAMILY HOUSING		[35,522]
**HAWAII FAMILY HOUSING		74,350 [35,522]
IDAHO		
ARMY NATIONAL GUARD		
GOWEN FIELD		
MATES SPT & WASH FACI	3,429	
MOBILIZATION AND TRAINING EQUIPMENT SITE	7,618	
GOWEN FIELD		11,047
AIR NATIONAL GUARD		
BOISE AIRPORT		
ADD TO/ALTER VEHICLE MAINTENANCE FACILITY	1,450	
BOISE AIRPORT		1,450
**IDAHO		12,497
ILLINOIS		
ARMY		
SAVANNA ARMY DEPOT		
FUNCTION TEST RANGE	850	
SAVANNA ARMY DEPOT		850

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ILLINOIS		
ARMY		
ST LOUIS SUPPORT AREA		
BARRACKS MOD W/DINING FACILITY	3,750	
ST LOUIS SUPPORT AREA		3,750
**ARMY		4,600
NAVY		
GREAT LAKES NAVAL HOSPITAL		
BACHELOR ENLISTED QUARTERS	10,470	
HOSPITAL CORPS SCHOOL ADDITION	1,800	
GREAT LAKES NAVAL HOSPITAL		12,270
GREAT LAKES NAVAL TRAINING CENTER		
CHILD CARE CENTER	2,300	
ELECTRICIANS & COMMUNICATIONS TRNG BLDG	13,600	
GREAT LAKES NAVAL TRAINING CENTER		15,900
**NAVY		28,170
AIR FORCE		
SCOTT AFB		
DORMITORY/LAND ACQUISITION	8,400	
SCOTT AFB		8,400
ARMY NATIONAL GUARD		
DECATUR		
ARMORY, 200-PERSON	2,758	
OMS	546	
DECATUR		3,304
FREEPORT		
ARMORY ADDITION/ALTERATION	375	
FREEPORT		375
MACHESNEY PARK-WINNEBAGO		
ARMORY, 200-PERSON	2,920	
OMS	586	
MACHESNEY PARK-WINNEBAGO		3,506
MARSEILLES		
TRNG AMMO STOR APPV 1SEP89	307	
TRNG ROAD INCREMENT 2C	325	
MARSEILLES		632
SPRINGFIELD		
ENGINEER BUILDING/STOR	386	
SPRINGFIELD		386
URBANA		
ARMORY, REHAB	865	
URBANA		865
WILLIAMSON COUNTY		
ARMORY, 200 PERSON	2,152	
OMS	440	
WILLIAMSON COUNTY		2,592
**ARMY NATIONAL GUARD		11,660
AIR NATIONAL GUARD		
GREATER PEORIA AIRPORT		
BASE SUPPLIES AND EQUIPMENT WAREHOUSE	2,600	
JET FUEL STORAGE COMPLEX	2,800	
SUPPORT EQUIPMENT SHOP	950	
GREATER PEORIA AIRPORT		6,350

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ILLINOIS		
NAVY RESERVE		
NAS GLENVIEW		
BACHELOR ENLISTED QUARTERS	4,700	
TACTICAL AIR COMMAND CENTER	600	
NAS GLENVIEW		5,300
NRC DECATUR		
RESERVE CENTER ACQUISITION	1,000	
NRC DECATUR		1,000
**NAVY RESERVE		6,300
AIR FORCE RESERVE		
CHANUTE AFB		
CIVIL ENGINEERING TRAINING FACILITY	1,000	
CHANUTE AFB		1,000
FAMILY HOUSING		
NAVY		
GLENVIEW NAVAL AIR STATION		
NEW CONSTRUCTION (140)	[15,300]	
GLENVIEW NAVAL AIR STATION FAMILY HOUSING		[15,300]
**ILLINOIS		66,480
FAMILY HOUSING		[15,300]
INDIANA		
ARMY		
FORT BENJAMIN HARRISON		
WASTEWATER TREATMENT FACILITY	359	
FORT BENJAMIN HARRISON		359
NAVY		
CRANE NAVAL WEAPONS SUPPORT CENTER		
BATTERY TEST FACILITY	4,000	
CRANE NAVAL WEAPONS SUPPORT CENTER		4,000
INDIANAPOLIS NAVAL AVIONICS CENTER		
INDUSTRIAL PARTS FACILITY	8,000	
INDIANAPOLIS NAVAL AVIONICS CENTER		8,000
**NAVY		12,000
AIR FORCE		
GRISSOM AFB		
ALTER SEWAGE TREATMENT/DISPOSAL SYSTEM	4,650	
WING HEADQUARTERS AND COMMAND POST	2,150	
GRISSOM AFB		6,800
ARMY NATIONAL GUARD		
STOUT FIELD (INIDIANAPOLIS)		
DLOG ADDITION	742	
STOUT FIELD (INIDIANAPOLIS)		742
AIR NATIONAL GUARD		
HULMAN FIELD		
ADD TO AND ALTER BASE SUPPLY WAREHOUSE	1,750	
HULMAN FIELD		1,750
FT WAYNE MAP		
MUNITIONS MAINT/STORAGE COMPLEX	1,950	
FT WAYNE MAP		1,950
**AIR NATIONAL GUARD		3,700

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
INDIANA		
ARMY RESERVE		
KINGSBURY		
ARMY RESERVE CENTER W/MAINTENANCE FACILITY	3,435	
KINGSBURY		3,435
**INDIANA		27,036
IOWA		
ARMY NATIONAL GUARD		
ALGONA		
ARMORY	868	
ALGONA		868
CAMP DODGE		
LAND ACQUISITION (1469 AC)	6,857	
CAMP DODGE		6,857
CENTERVILLE		
ARMORY	995	
CENTERVILLE		995
**ARMY NATIONAL GUARD		8,720
AIR NATIONAL GUARD		
SIOUX CITY MAP		
ADD TO ECM SHOP	3,490	
SIOUX CITY MAP		3,490
**IOWA		12,210
KANSAS		
ARMY		
FORT LEAVENWORTH		
CHILD DEVELOPMENT/RELIGIOUS EDUCATION FAC	5,500	
FORT LEAVENWORTH		5,500
FORT RILEY		
CHILD DEVELOPMENT CENTER	1,500	
STANDBY EMERGENCY GENERATORS	580	
WATER TREATMENT PLANT	10,600	
FORT RILEY		12,680
**ARMY		18,180
AIR FORCE		
MCCONNELL AFB		
ADD TO AND ALTER PHYSICAL FITNESS CENTER	5,200	
MCCONNELL AFB		5,200
ARMY NATIONAL GUARD		
TOPEKA		
UNITED STATES PROPERTY & FISCAL FACILITY	1,400	
TOPEKA		1,400
AIR NATIONAL GUARD		
MCCONNELL AFB		
CONSTRUCT ARM/DISARM APRON	9,420	
MCCONNELL AFB		9,420
ARMY RESERVE		
FORT RILEY		
ADD/ALT MAINTENANCE FACILITY/NEW WAREHOUSE	4,028	
FORT RILEY		4,028
**KANSAS		38,228

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
KENTUCKY		
ARMY		
FORT CAMPBELL		
CHILD DEVELOPMENT CENTER	5,500	
SOF-FLIGHT SIMULATOR BUILDING	2,550	
SPECIAL OPNS AIRCRAFT MAINTENANCE HANGAR	8,200	
TACTICAL EQUIPMENT SHOP	14,200	
FORT CAMPBELL		30,450
FORT KNOX		
PHYSICAL FITNESS TRAINING CENTER	5,420	
PORTER RIVER ROAD BRIDGE	2,200	
FORT KNOX		7,620
**ARMY		38,070
ARMY NATIONAL GUARD		
ASHLAND		
ARMORY, 200 PERSON	2,464	
ASHLAND		2,464
**KENTUCKY		40,534
LOUISIANA		
ARMY		
FORT POLK		
GENERAL PURPOSE WAREHOUSE	1,150	
GENERAL PURPOSE WAREHOUSES	12,600	
RANGE MODERNIZATION	9,600	
FORT POLK		23,350
AIR FORCE		
BARKSDALE AFB		
DORMITORIES	7,700	
BARKSDALE AFB		7,700
ENGLAND AFB		
ADD TO AND ALTER ACFT CORROSION CTRL FAC	5,900	
BASE SUPPLY COMPLEX	4,100	
ENGLAND AFB		10,000
**AIR FORCE		17,700
ARMY NATIONAL GUARD		
FORT POLK (LEESVILLE)		
MOBILIZATION AND TRAINING EQUIPMENT EXP	3,306	
FORT POLK (LEESVILLE)		3,306
AIR NATIONAL GUARD		
HAMMOND		
COMM-ELECTRONICS TRAINING COMPLEX	650	
HAMMOND		650
NEW ORLEANS NAS		
POWER CHECK PAD WITH SOUND SUPPRESSOR	900	
NEW ORLEANS NAS		900
**AIR NATIONAL GUARD		1,550
NAVY RESERVE		
NAVAL AIR STATION NEW ORLEANS		
AIRCRAFT POWER CHECK PAD	520	
NAVAL AIR STATION NEW ORLEANS		520
NAVAL SUPPORT ACTIVITY NEW ORLEANS		
COMPUTER FACILITY	305	
NAVAL SUPPORT ACTIVITY NEW ORLEANS		305

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LOUISIANA		
NAVY RESERVE		
NMCRC SHREVEPORT		
RESERVE TRAINING BUILDING	3,200	
NMCRC SHREVEPORT		3,200
**NAVY RESERVE		4,025
AIR FORCE RESERVE		
BARKSDALE AFB		
ADD/ALTER OPERATIONAL TRAINING FACILITY	1,600	
BARKSDALE AFB		1,600
**LOUISIANA		51,531
MAINE		
NAVY		
BRUNSWICK NAVAL AIR STATION		
CHILD CARE CENTER	1,000	
BRUNSWICK NAVAL AIR STATION		1,000
BRUNSWICK NAVAL BRANCH MEDICAL CLINIC		
AVIATION PHYSIOLOGY TRAINING FACILITY	2,650	
BRUNSWICK NAVAL BRANCH MEDICAL CLINIC		2,650
KITTERY PORTSMOUTH NAVAL SHIPYARD		
CHILD CARE CENTER	1,000	
KITTERY PORTSMOUTH NAVAL SHIPYARD		1,000
**NAVY		4,650
AIR FORCE		
LORING AFB		
DORMITORY	8,500	
LORING AFB		8,500
DEFENSE LOGISTICS AGENCY		
DFSP SEARSPORT		
TERMINAL AUTOMATION	2,700	
DFSP SEARSPORT		2,700
AIR NATIONAL GUARD		
BANGOR IAP		
AIRCRAFT ARRESTING SYSTEMS	760	
COMPOSITE AIRCRAFT ENGINE AND NDI SHOP	1,300	
BANGOR IAP		2,060
**MAINE		17,910
MARYLAND		
ARMY		
ABERDEEN PROVING GROUND		
ADP FACILITY ADDITION	1,700	
ABERDEEN PROVING GROUND		1,700
FORT DETRICK		
CHAPEL CENTER/CHILD DEVELOPMENT CENTER	2,300	
FORT DETRICK		2,300
FORT GEORGE G MEADE		
CHILD DEVELOPMENT CENTER	6,200	
FORT GEORGE G MEADE		6,200
FORT RITCHIE		
CHILD DEVELOPMENT CENTER ADDITION	630	
FORT RITCHIE		630
**ARMY		10,830

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MARYLAND		
NAVY		
INDIAN HEAD NAVAL EXPLOSIVE ORD TECH CTR		
ORDNANCE COUNTERMEASURES LABORATORY	7,700	
INDIAN HEAD NAVAL EXPLOSIVE ORD TECH CTR		7,700
INDIAN HEAD NAVAL ORDNANCE STATION		
MIX, CAST, CURE FACILITY	10,670	
INDIAN HEAD NAVAL ORDNANCE STATION		10,670
PATUXENT RIVER NAVAL AIR TEST CENTER		
AIRCRAFT FLIGHT SYSTEMS EQUIPMENT LAB	2,000	
FLIGHT TEST HANGAR	15,000	
PATUXENT RIVER NAVAL AIR TEST CENTER		17,000
ST INIGOES NAVAL ELECTRONIC SYS ENGR ACT		
UTILITIES IMPROVEMENTS (INCREMENT II)	2,950	
ST INIGOES NAVAL ELECTRONIC SYS ENGR ACT		2,950
**NAVY		38,320
AIR FORCE		
ANDREWS AFB		
PRECISION MEASUREMENT EQUIPMENT LAB	1,350	
VEHICLE MAINTENANCE/OPERATION COMPLEX	4,200	
ANDREWS AFB		5,550
DEFENSE MEDICAL SUPPORT ACTIVITY		
ANDREWS AIR FORCE BASE		
CLINIC ANNEX ADDITION/ALTERATION	2,900	
ANDREWS AIR FORCE BASE		2,900
NATIONAL SECURITY AGENCY		
FORT MEADE		
CHILLER PLANT	14,000	
ELECT DIST UPGRADE	2,323	
SPRINKLERS OPS BLDG	5,121	
FORT MEADE		21,444
DEFENSE NUCLEAR AGENCY		
ARMED FCS RADIOBIOLOGY RES INST BETHESDA		
RESEARCH FACILITY ADDITION	900	
ARMED FCS RADIOBIOLOGY RES INST BETHESDA		900
UNI SVC UNIV HEALTH SCI		
USUHS		
ALTERATIONS GROUND FLOOR, BUILDING 70	600	
USUHS		600
ARMY NATIONAL GUARD		
CHESTERTOWN		
ARMORY, REHAB/ADD	1,129	
CHESTERTOWN		1,129
AIR NATIONAL GUARD		
GLENN L MARTIN AIRPORT		
BASE ENGINEER MAINTENANCE FACILITY	1,700	
COMPOSITE SUPPORT FACILITY	2,150	
GLENN L MARTIN AIRPORT		3,850
FAMILY HOUSING		
NAVY		
NAVAL SUPPORT FACILITY		
NEW CONSTRUCTION (11)	[1,160]	
NAVAL SUPPORT FACILITY FAMILY HOUSING		[1,160]
**MARYLAND		85,523
FAMILY HOUSING		[1,160]

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ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 29 JAN 1990
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($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MASSACHUSETTS		
ARMY		
FORT DEVENS		
ELECTRICAL SUBSTATIONS	3,550	
FORT DEVENS		3,550
AIR FORCE		
HANSCOM AFB		
UPGRADE GEOPHYSICS LABORATORY	5,600	
HANSCOM AFB		5,600
AIR NATIONAL GUARD		
BARNES MAP		
COMPOSITE BASE ENGR/FIRE STATION FACILITY	2,200	
BARNES MAP		2,200
FORT DEVENS		
COMM-ELECTRONICS TRAINING COMPLEX	7,100	
FORT DEVENS		7,100
OTIS ANGB		
ADD TO/ALTER MUNITIONS MAINT/STORAGE FAC	7,900	
OTIS ANGB		7,900
**AIR NATIONAL GUARD		17,200
ARMY RESERVE		
DEVENS		
REGIONAL TRAINING SITE-MAINTENANCE	2,705	
DEVENS		2,705
NAVY RESERVE		
NAVAL AIR STATION SOUTH WEYMOUTH		
CONTROL TOWER FACILITY	2,350	
NAVAL AIR STATION SOUTH WEYMOUTH		2,350
**MASSACHUSETTS		31,405
MICHIGAN		
AIR FORCE		
KI SAWYER AFB		
PHYSICAL FITNESS CENTER	4,300	
KI SAWYER AFB		4,300
ARMY NATIONAL GUARD		
BERRIEN CTY-BENTON HARBO		
ARMORY, 60-PERSON	1,250	
BERRIEN CTY-BENTON HARBO		1,250
CAMP GRAYLING		
RANGE, MPRC (RETS)	7,000	
TRNG WASTE WATER TRT PLANT	3,283	
CAMP GRAYLING		10,283
MENOMINEE		
ARMORY, 60-PERSON	1,167	
MENOMINEE		1,167
SHIAWASSEE CTY (OWOSSO)		
ARMORY, 100-PERSON	1,450	
SHIAWASSEE CTY (OWOSSO)		1,450
**ARMY NATIONAL GUARD		14,150
AIR NATIONAL GUARD		
SELFRIDGE ANGB		
ADD TO MUNITIONS MAINTENANCE COMPLEX	1,050	

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MICHIGAN		
AIR NATIONAL GUARD		
SELFRIDGE ANGB		
ADD TO/ALTER COMP AVIONICS/MAINT SHOPS	1,750	
AMMUNITION STORAGE IGLOO	700	
POWER CHECK PAD WITH SOUND SUPPRESSORS	700	
SELFRIDGE ANGB		4,200
WK KELLOGG REGIONAL AIRPORT		
JET FUEL STORAGE COMPLEX	2,600	
WK KELLOGG REGIONAL AIRPORT		2,600

**AIR NATIONAL GUARD		6,800
ARMY RESERVE		
BAY CITY		
ADD/ALT ARMY RESERVE CTR W/MAINTENANCE FAC	3,631	
BAY CITY		3,631
NAVY RESERVE		
NAF DETROIT		
RESERVE CENTER REHABILITATION	1,000	
NAF DETROIT		1,000
AIR FORCE RESERVE		
SELFRIDGE ANGB		
AVIONICS SHOP	1,250	
SELFRIDGE ANGB		1,250

**MICHIGAN		31,131
MINNESOTA		
ARMY NATIONAL GUARD		
CAMP RIPLEY		
TRNG FACILITIES, AREA 7	8,800	
CAMP RIPLEY		8,800
CAMP RIPLEY		
ARMORY	4,219	
CAMP RIPLEY		4,219

**ARMY NATIONAL GUARD		13,019
AIR NATIONAL GUARD		
DULUTH ANGB		
ADD TO/ALT MUNITIONS MAINT/STORAGE CPLX	720	
ADD TO/ALTER COMPOSITE SUPPORT FACILITY	2,700	
POWER CHECK PAD WITH SOUND SUPPRESSOR	750	
DULUTH ANGB		4,170
ARMY RESERVE		
ARDEN HILLS		
ARMY RESERVE CENTER W/MAINTENANCE FACILITY	14,160	
ARDEN HILLS		14,160
AIR FORCE RESERVE		
MINN-ST PAUL IAP		
ALTER AIRCRAFT MAINTENANCE FACILITY	370	
MINN-ST PAUL IAP		370

**MINNESOTA		31,719
MISSISSIPPI		
NAVY		
MERIDIAN NAVAL AIR STATION		
AIRCRAFT MAINTENANCE FACILITIES	11,800	
MERIDIAN NAVAL AIR STATION		11,800

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MISSISSIPPI		
NAVY		
PASCAGOULA NAVAL STATION		
BACHELOR ENLISTED QUARTERS	3,940	
GENERAL WAREHOUSE	1,110	
MAGAZINES	3,140	
PHYSICAL FITNESS FACILITY	2,220	
PASCAGOULA NAVAL STATION		10,410
**NAVY		22,210
AIR FORCE		
COLUMBUS AFB		
BASE FLIGHT OPERATIONS	1,200	
COLUMBUS AFB		1,200
DEFENSE MEDICAL SUPPORT ACTIVITY		
PASCAGOULA NAVAL STATION		
MEDICAL/DENTAL CLINIC	2,548	
PASCAGOULA NAVAL STATION		2,548
ARMY NATIONAL GUARD		
ACKERMAN		
ARMORY, ADD/ALT	735	
ACKERMAN		735
AMOR		
ARMORY, 100-PERSON ADDITION	310	
AMORY		310
CAMP MCCAIN		
LAND ACQUISTION	4,000	
CAMP MCCAIN		4,000
CAMP SHELBY		
RANGE, M-16 NIGHT FIRE (65 LANE)	300	
TRNG BOQ PHASE I (O4-O6)	700	
TRNG, ENGR BUILDING 6678	400	
CAMP SHELBY		1,400
IUKA		
ARMORY, ADD/ALT	710	
IUKA		710
JACKSON		
USPFO ADDITION	1,300	
JACKSON		1,300
LOUISVILLE		
OMS ADD	600	
LOUISVILLE		600
PHILADELPHIA		
OMS ADD	400	
PHILADELPHIA		400
**ARMY NATIONAL GUARD		9,455
AIR NATIONAL GUARD		
ALLEN C THOMPSON FIELD		
ADD TO AND ALTER BASE SUPPLY WAREHOUSE	2,000	
ALLEN C THOMPSON FIELD		2,000
KEY FIELD		
ADD TO BASE SUPPLY WAREHOUSE	12,300	
KEY FIELD		12,300
**AIR NATIONAL GUARD		14,300
**MISSISSIPPI		49,713

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ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES ($ THOUSANDS) DATA AS OF 29 JAN 1990

STATE/COMP./INSTALLATION ------------------PROJECT NAME---------------	PROJ COST	TOTAL
MISSOURI		
ARMY		
FORT LEONARD WOOD		
AUTOMATED RECORD FIRE RANGES	2,150	
INSTRUCTIONAL MEDIA CENTER	8,300	
FORT LEONARD WOOD		10,450
NAVY		
KANSAS CITY MARINE CORPS FINANCE CENTER		
FINANCE AND DATA PROCESSING CENTER (INC I)	10,000	
KANSAS CITY MARINE CORPS FINANCE CENTER		10,000
AIR FORCE		
WHITEMAN AFB		
B2-ADD TO AND ALTER UTILITIES	7,900	
B2-AIRCRAFT APRON AND TAXIWAY UPGRADE	7,500	
B2-AIRCRAFT MAINTENANCE DOCKS	19,000	
B2-AREA SECURITY IMPROVEMENTS	3,500	
B2-CONTROL TOWER	2,900	
B2-DEFENSE ACCESS ROADS	3,000	
B2-DORMITORY	5,900	
B2-ENGINE MAINTENANCE SHOP	2,600	
B2-HYDRANT FUEL/AIRCRAFT SUPPORT SYSTEMS	24,800	
B2-MAINTENANCE CONTROL COMPLEX	4,300	
B2-MISSION OPERATIONS CENTER	5,000	
B2-TEMPORARY LODGING FACILITY	3,200	
B2-TRANSIENT DORMITORY	6,200	
B2-UNSPECIFIED REDUCTION	-35,000	
B2-UPGRADE AIRFIELD LIGHTING SYSTEM	2,300	
B2-WEAPONS STORAGE IGLOOS	2,400	
WHITEMAN AFB		65,500
ARMY NATIONAL GUARD		
AURORA		
ARMORY	1,182	
AURORA		1,182
FORT CROWDER		
POST/ENG SUPPLY BUILD	357	
FORT CROWDER		357
JEFFERSON CITY		
REGIONAL MAINTENANCE TRAINING SITE	2,395	
JEFFERSON CITY		2,395

**ARMY NATIONAL GUARD		3,934
AIR NATIONAL GUARD		
ROSECRANS MEMORIAL AIRPORT		
AVIONICS FACILITY	680	
COMPOSITE SUPPORT FACILITY	2,300	
ROSECRANS MEMORIAL AIRPORT		2,980
ST LOUIS-LAMBERT FIELD		
ADD TO AND ALTER DINING HALL	350	
ADD TO/ALTER WEAPONS RELEASE AND AGE SHOP	1,150	
ST LOUIS-LAMBERT FIELD		1,500

**AIR NATIONAL GUARD		4,480
NAVY RESERVE		
NMCRC SPRINGFIELD		
RESERVE CENTER ADDITION	1,900	
NMCRC SPRINGFIELD		1,900
NMCRC ST LOUIS		
RESERVE CENTER ADDITION	2,200	
NMCRC ST LOUIS		2,200

**NAVY RESERVE		4,100

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MISSOURI		
AIR FORCE RESERVE		
RICHARDS-GEBAUR		
JET FUEL STORAGE COMPLEX	2,350	
RICHARDS-GEBAUR		2,350
**MISSOURI		100,814
MONTANA		
AIR FORCE		
MALMSTROM AFB		
KC135R REBASING-ACFT PARKING APRON LIGHTS	240	
KC135R REBASING-ADD TO SPT EQ SHP/STG FAC	1,300	
KC135R REBASING-ADD/ALTER ALERT CREW FAC	1,300	
KC135R REBASING-ALERT AREA SEC & BLST FEN	510	
KC135R REBASING-FLIGHT SIM TNG FACILITY	1,700	
KC135R REBASING-JET FUEL STG & DISP FACS	5,700	
KC135R REBASING-PERSONNEL SUPPORT FACS	1,200	
KC135R REBASING-PUBLICATION DIST FAC	650	
KC135R REBASING-THREE BAY ACFT MAINT HGR	15,400	
KC135R REBASING-UPGR/EXP ALERT ACFT PKG	4,100	
MALMSTROM AFB		32,100
ARMY NATIONAL GUARD		
LIBBY		
ARMORY	827	
LIBBY		827
**MONTANA		32,927
NEBRASKA		
AIR FORCE		
OFFUTT AFB		
EXPAND COMMUNICATIONS DUCTWORK	1,150	
OFFUTT AFB		1,150
ARMY NATIONAL GUARD		
HASTINGS		
RANGE MULTIPURPOSE INDOOR	336	
HASTINGS		336
LINCOLN		
ARMORY	4,984	
AVN AASF PARKING	597	
CSMS	3,438	
LINCOLN		9,019
**ARMY NATIONAL GUARD		9,355
**NEBRASKA		10,505
NEVADA		
NAVY		
FALLON NAVAL AIR STATION		
CHILD CARE CENTER	1,000	
FALLON NAVAL AIR STATION		1,000
AIR FORCE		
NELLIS AFB		
EXTEND PARALLEL TAXIWAY	4,250	
LANTIRN MAINTENANCE FACILITY	550	
NELLIS AFB		4,800
DEFENSE MEDICAL SUPPORT ACTIVITY		
NELLIS AIR FORCE BASE		
CONSOLIDATED MEDICAL FACILITY REPLACEMENT	10,000	
NELLIS AIR FORCE BASE		10,000

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NEVADA		
STRATEGIC DEFENSE INITIATIVE ORGANIZATION		
NELLIS AFB		
MISTY ZEPHYR TEST SITE	6,542	
NELLIS AFB		6,542
ARMY NATIONAL GUARD		
STEAD		
AVN AASF ADDITION PH II	1,000	
STEAD		1,000
AIR NATIONAL GUARD		
RENO IAP		
ADD TO AVIONICS AND ECM SHOP	600	
RENO IAP		600
**NEVADA		23,942
NEW HAMPSHIRE		
AIR NATIONAL GUARD		
PEASE AFB		
ADD TO AIRCRAFT MAINTENANCE HANGAR	1,600	
ALTER COMP CIV ENGINEERING/AVIONICS SHOP	1,600	
ALTER FUEL SYSTEMS MAINTENANCE DOCK	1,200	
PEASE AFB		4,400
NEW JERSEY		
ARMY		
FORT MONMOUTH		
IMPROVE ELECTRICAL DISTRIBUTION	8,600	
FORT MONMOUTH		8,600
PICATINNY ARSENAL		
ARMAMENT TECHNOLOGY LABORATORY	11,800	
PICATINNY ARSENAL		11,800
**ARMY		20,400
NAVY		
BAYONNE NAVY PUBS & PRINTING SERV DET OFF		
PRINTING PLANT	1,000	
BAYONNE NAVY PUBS & PRINTING SERV DET OFF		1,000
EARLE NAVAL WEAPONS STATION		
FAMILY SERVICES CENTER	570	
PROJECTILE MAGAZINES	13,700	
EARLE NAVAL WEAPONS STATION		14,270
**NAVY		15,270
AIR FORCE		
MCGUIRE AFB		
ALTER DORMITORIES	4,900	
MCGUIRE AFB		4,900
ARMY NATIONAL GUARD		
NEWTON		
RANGE, MINI TANK	251	
NEWTON		251
VINELAND		
RANGE, MINI TANK	214	
VINELAND		214
WASHINGTON		
RANGE, MINI TANK	188	
WASHINGTON		188
**ARMY NATIONAL GUARD		653

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ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 29 JAN 1990
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STATE/COMP./INSTALLATION --------------------PROJECT NAME---------------	PROJ COST ----------	TOTAL ----------
NEW JERSEY		
AIR NATIONAL GUARD		
ATLANTIC CITY		
COMP BASE ENGINEERING AND VEH MAINT FAC	2,200	
ATLANTIC CITY		2,200
MCGUIRE AFB		
ALTER AVIONICS SHOP	1,200	
COMPOSITE AIRCRAFT MAINTENANCE FACILITY	1,600	
MCGUIRE AFB		2,800

**AIR NATIONAL GUARD		5,000
AIR FORCE RESERVE		
MCGUIRE AFB		
ADD/ALTER OPERATIONAL TRAINING FACILITY	1,050	
MCGUIRE AFB		1,050

**NEW JERSEY		47,273
NEW MEXICO		
NAVY		
ELEPHANT BUTTE NAVAL SPACE SURV FIELD STA		
SPACE SURVEILLANCE ANTENNA MODERNIZATION	4,700	
ELEPHANT BUTTE NAVAL SPACE SURV FIELD STA		4,700
AIR FORCE		
HOLLOMAN AFB		
ADD TO AND ALTER COMMUNICATIONS MNT FACS	7,700	
ALTER DORMITORIES	4,800	
WAR READINESS MATERIEL STORAGE DEPOT	4,850	
HOLLOMAN AFB		17,350
KIRTLAND AFB		
ALTER DORMITORY	5,000	
SOF-ALTER MAINTENANCE HANGAR	1,850	
SOF-AVIONICS SHOP	4,400	
SOF-FIELD TRAINING DETACHMENT FACILITY	2,100	
SOF-FLIGHT SIMULATOR TRAINING FACILITY	5,000	
KIRTLAND AFB		18,350

**AIR FORCE		35,700
ARMY NATIONAL GUARD		
BELEN		
ARMORY, 100-PERSON	1,397	
BELEN		1,397
CLOVIS		
ARMORY, 100-PERSON	1,603	
OMS	714	
CLOVIS		2,317
FARMINGTON		
ARMORY, 100-PERSON	1,163	
FARMINGTON		1,163
ROSWELL		
ORGANIZATIONAL MAINTENANCE SHOP	714	
ROSWELL		714
SANTA FE		
CSMS	3,092	
USPFO, WAREHOUSE	905	
SANTA FE		3,997

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NEW MEXICO		
ARMY NATIONAL GUARD		
SPRINGER		
OMS	714	
SPRINGER		714
**ARMY NATIONAL GUARD		10,302
AIR NATIONAL GUARD		
KIRTLAND AFB		
MEDICAL TRAINING FACILITY	1,300	
KIRTLAND AFB		1,300
ARMY RESERVE		
SANTA FE		
ARMY RESERVE CENTER/MAINTENANCE FAC	2,955	
SANTA FE		2,955
**NEW MEXICO		54,957
NEW YORK		
ARMY		
FORT DRUM		
AIRCRAFT FUEL FACILITIES	3,400	
AIRCRAFT HANGARS	31,000	
AIRCRAFT PARKING APRON	22,000	
AIRFIELD OPERATIONS FACILITIES	14,200	
FORT DRUM		70,600
NAVY		
NEW YORK NAVAL STATION		
BACHELOR ENLISTED QUARTERS	4,600	
CHILD CARE CENTER	3,000	
UTILITIES AND SITE IMPROVEMENTS	18,040	
NEW YORK NAVAL STATION		25,640
AIR FORCE		
GRIFFISS AFB		
SAC REBASING-HYDRANT FUELING SYSTEM	7,400	
GRIFFISS AFB		7,400
PLATTSBURGH AFB		
ALTER DORMITORIES	8,900	
NOISE SUPPRESSOR SUPPORT FACILITY	1,000	
PLATTSBURGH AFB		9,900
**AIR FORCE		17,300
AIR NATIONAL GUARD		
HANCOCK FIELD		
ADD TO AND ALTER VEHICLE MAINT SHOP	2,100	
ADD TO/ALT MUNITIONS MAINT AND STORAGE	1,250	
ALTER AIRCRAFT MAINT HANGAR AND SHOPS	2,000	
HANCOCK FIELD		5,350
NIAGARA FALLS IAP		
ADD TO AND ALTER BASE SUPPLY WAREHOUSE	1,800	
AIRCRAFT ENGINE SHOP	1,600	
PETROLEUM OPERATIONS FACILITY	520	
POWER CHECK PAD WITH SOUND SUPPRESSOR	750	
NIAGARA FALLS IAP		4,670
SCHENECTADY COUNTY AIRPORT		
FIRE SUPPRESSION SYSTEM	950	
VEHICLE MAINTENANCE COMPLEX	1,800	
SCHENECTADY COUNTY AIRPORT		2,750

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NEW YORK		
AIR NATIONAL GUARD		
STEWART AIRPORT		
AERIAL PORT TRAINING FACILITY	2,100	
STEWART AIRPORT		2,100
**AIR NATIONAL GUARD		14,870
NAVY RESERVE		
STEWART AIRPORT (ANG)		
BACHELOR ENLISTED QUARTERS	3,800	
FUEL SYSTEMS MAINT/CORROSION CONTROL HNG	5,700	
SUPPLY SUPPORT FACILITY	1,820	
STEWART AIRPORT (ANG)		11,320
**NEW YORK		139,730
NORTH CAROLINA		
ARMY		
FORT BRAGG		
AVIATION UNIT MAINTENANCE HANGARS	32,000	
CHILD DEVELOPMENT CENTERS	5,300	
MAINTENANCE FACILITY INFRASTRUCTURE	7,000	
SOF-SPECIAL OPERATIONS CMD HEADQUARTERS	21,100	
SPECIAL OPERATIONS PARACHUTE SHOP	7,500	
FORT BRAGG		72,900
NAVY		
CAMP LEJEUNE MARINE CORPS BASE		
ELECTRONICS COMMUNICATIONS MAINT SHOP	4,200	
ELECTRONICS COMMUNICATIONS MAINT SHOP	7,200	
MECHANICS TRAINING BUILDING (INCREMENT II)	4,400	
MESS HALL	5,410	
CAMP LEJEUNE MARINE CORPS BASE		21,210
CHERRY POINT MARINE CORPS AIR STATION		
AIRCRAFT BOMBING RNGE MODIFICATIONS-INC II	1,800	
APPLIED INSTRUCTION FACILITIES	5,350	
FLIGHT LINE SECURITY IMPROVEMENTS	3,600	
CHERRY POINT MARINE CORPS AIR STATION		10,750
NEW RIVER MARINE CORPS AIR STATION		
AVIATION MAINTENANCE TRAINING BUILDING	6,000	
FLIGHT LINE SECURITY IMPROVEMENTS	2,500	
MAINTENANCE HANGAR ADDITIONS	5,200	
OPERATIONAL TRAINER FACILITY	7,400	
NEW RIVER MARINE CORPS AIR STATION		21,100
**NAVY		53,060
AIR FORCE		
SEYMOUR JOHNSON AFB		
ADD TO AND ALTER CONVENTIONAL MUN MNT FAC	1,350	
ADD TO AND ALTER FUEL SYS MAINT DOCK	2,200	
WAREHOUSE	950	
SEYMOUR JOHNSON AFB		4,500
ARMY RESERVE		
ROCKY MOUNT		
ADD/ALT ARMY RESERVE CTR/MAINTENANCE FAC	1,247	
ROCKY MOUNT		1,247
NAVY RESERVE		
NMCRC CHARLOTTE		
RESERVE CENTER ACQUISITION	4,170	
NMCRC CHARLOTTE		4,170
**NORTH CAROLINA		135,877

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NORTH DAKOTA		
AIR FORCE		
GRAND FORKS AFB		
CHILD DEVELOPMENT CENTER	1,900	
GRAND FORKS AFB		1,900
ARMY NATIONAL GUARD		
BISMARCK		
UNITED STATES PROPERTY WAREHOUSE	1,011	
BISMARCK		1,011
AIR NATIONAL GUARD		
HECTOR FIELD		
ALTER AVIONICS SHOP	550	
COMPOSITE SUPPORT FACILITIES	1,800	
HECTOR FIELD		2,350
**NORTH DAKOTA		5,261
OHIO		
AIR FORCE		
NEWARK AFB		
CHILD DEVELOPMENT CENTER	680	
UPGRADE FIRE PROTECTION SYSTEM	2,300	
NEWARK AFB		2,980
WRIGHT-PATTERSON AFB		
DEFENSE COURIER STATION	2,560	
UPGRADE PROPULSION LAB FUEL STORAGE	9,200	
WRIGHT-PATTERSON AFB		11,760
**AIR FORCE		14,740
DEFENSE LOGISTICS AGENCY		
DEFENSE CONSTRUCTION SUPPLY CENTER		
AUTOMATED DATA PROCESSING FACILITY	13,600	
BULK STORAGE WAREHOUSE	13,000	
DEFENSE CONSTRUCTION SUPPLY CENTER		26,600
AIR NATIONAL GUARD		
MANSFIELD LAHM AIRPORT		
AERIAL PORT TRAINING FACILITY	1,600	
MANSFIELD LAHM AIRPORT		1,600
AIR FORCE RESERVE		
RICKENBACKER ANGB		
ADD/ALTER FACILITIES FOR CONVERSION	1,450	
ADD/ALTER HANGAR	6,800	
RICKENBACKER ANGB		8,250
**OHIO		51,190
OKLAHOMA		
ARMY		
MCALESTER		
AMMUNITION SURVEILLANCE FACILITY	2,200	
MCALESTER		2,200
FORT SILL		
AUTOMATIC FIELD FIRE RANGE	2,900	
CHILD DEVELOPMENT/RELIGIOUS EDUCATION FAC	4,850	
FIREFINDER CLASSROOM ADDITION	970	
TACTICAL EQUIPMENT SHOP	6,600	
FORT SILL		15,320
**ARMY		17,520

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
OKLAHOMA		
NAVY		
TINKER AIR FORCE BASE NAVAL AIR DETACHMENT		
AIRCRAFT SUPPORT FACILITIES (INCR III)	21,500	
TINKER AIR FORCE BASE NAVAL AIR DETACHMENT		21,500
AIR FORCE		
ALTUS AFB		
COMMUNITY ACTIVITIES CENTER	2,000	
PHYSICAL FITNESS CENTER	3,200	
ALTUS AFB		5,200
TINKER AFB		
ADD TO AND ALTER DEPOT MAT PROC FACILITY	7,000	
ADD/ALTER INDUSTRIAL WASTE TRTMNT PLANT	1,700	
AWACS-SUPPLY WAREHOUSE	3,450	
B1B-RADAR SOFTWARE TEST FACILITY	2,000	
B2-AVIONICS FACILITY/LAND ACQUISITION	9,600	
B2-INTEGRATION SUPPORT FACILITY	17,000	
B2-SECURE STORAGE FACILITY	5,200	
CHILD DEVELOPOMENT CENTER	1,550	
ELECTROMAGNETIC PULSE TEST FAC/LAND ACQ	9,300	
TINKER AFB		56,800
**AIR FORCE		62,000
DEFENSE MEDICAL SUPPORT ACTIVITY		
FORT SILL		
HOSPITAL REPLACEMENT PART II	27,000	
FORT SILL		27,000
ARMY NATIONAL GUARD		
BROKEN ARROW		
ARMORY	1,045	
BROKEN ARROW		1,045
CAMP GRUBER		
RANGE MODIFIED RECORD FIRE(RETS)	356	
RANGE, KNOWN DISTANCE	427	
TRNG SITE, POST HEADQUARTERS	265	
TRNG SITE, SEWAGE LAGOON SYS	763	
TRNG SITE, TNG FAC PH IV	3,752	
TRNG SITE, WAREHOUSE 9600 SQ.FT	320	
CAMP GRUBER		5,883
SAND SPRINGS (TULSA)		
ORGANIZATIONAL MAINTENANCE SHOP 6	400	
SAND SPRINGS (TULSA)		400
**ARMY NATIONAL GUARD		7,328
**OKLAHOMA		135,348
OREGON		
ARMY NATIONAL GUARD		
MEDFORD		
ARMORY, ADD/ALT	832	
MEDFORD		832
PORTLAND (KLEIVER)		
ARMORY, ADD/ALT	1,444	
PORTLAND (KLEIVER)		1,444
**ARMY NATIONAL GUARD		2,276
AIR NATIONAL GUARD		
KINGSLEY FIELD		
ALERT CREW FACILITY	550	

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 29 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
OREGON		
AIR NATIONAL GUARD		
KINGSLEY FIELD		
POWER CHECK PAD WITH SOUND SUPPRESSOR	760	
KINGSLEY FIELD		1,310
PORTLAND IAP		
ADD TO/ALT FUEL SYSTEMS MAINT DOCK	7,200	
PORTLAND IAP		7,200
**AIR NATIONAL GUARD		8,510
**OREGON		10,786
PENNSYLVANIA		
ARMY		
NEW CUMBERLAND AD		
HAZARDOUS MATERIAL STORAGE FACILITY	14,000	
NEW CUMBERLAND AD		14,000
TOBYHANNA ARMY DEPOT		
ACCESS ROADS	3,200	
TOBYHANNA ARMY DEPOT		3,200
**ARMY		17,200
NAVY		
PHILADELPHIA NAVAL SHIPYARD		
HAZARDOUS AND FLAMMABLE STOREHOUSE	10,000	
PHILADELPHIA NAVAL SHIPYARD		10,000
DEFENSE LOGISTICS AGENCY		
DEFENSE PERSONNEL SUPPORT CENTER		
DEMOLISH BUILDING M5/PARKING AREA	3,800	
DEFENSE PERSONNEL SUPPORT CENTER		3,800
ARMY NATIONAL GUARD		
FT INDIANTOWN GAP		
AVN FIRE SUPRESSION SYSTEM	1,200	
TRNG SITE, REG MED TNG FACIL	1,551	
FT INDIANTOWN GAP		2,751
AIR NATIONAL GUARD		
GREATER PITTSBURGH IAP		
ACCESS ROAD	5,000	
GREATER PITTSBURGH IAP		5,000
WILLOW GROVE NAS		
ADD TO/ALTER AIRCRAFT MAINT COMPLEX	3,000	
MUNITIONS MAINTENANCE AND STORAGE	2,000	
UNSUPPRESSED POWER CHECK PAD	700	
UPGRADE ELECTRICAL DIST SYS (JOINT W AFR)	1,400	
WEAPONS RELEASE SHOP	1,800	
WILLOW GROVE NAS		8,900
**AIR NATIONAL GUARD		13,900
ARMY RESERVE		
FT INDIANTOWN GAP (ANNVILLE)		
REGIONAL TRAINING SITE-MAINTENANCE	2,600	
FT INDIANTOWN GAP (ANNVILLE)		2,600
JOHNSTOWN		
ARMY RESERVE CENTER/MAINTENANCE FAC	3,605	
JOHNSTOWN		3,605
**ARMY RESERVE		6,205

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FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

       ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 29 JAN 1990
           INSIDE THE UNITED STATES
                ($ THOUSANDS)
STATE/COMP./INSTALLATION                              PROJ COST       TOTAL
------------------PROJECT NAME---------------        ----------  ----------
PENNSYLVANIA
  NAVY RESERVE
    NMCRC READING
     HOWITZER SHED                                          330
      NMCRC READING                                                     330

  AIR FORCE RESERVE
    GREATER PITTSBURGH IAP
     WATER STORAGE TANK                                   1,200
      GREATER PITTSBURGH IAP                                          1,200

    WILLOW GROVE ARF
     ELECTRICAL DISTRIBUTION SYSTEM UPGRADE               1,400
     SECURITY POLICE/COMBAT ARMS TRAINING                 1,800
      WILLOW GROVE ARF                                                3,200
                                                                 ----------
  **AIR FORCE RESERVE                                                 4,400
                                                                 ----------
**PENNSYLVANIA                                                       58,586


RHODE ISLAND
  NAVY
    NEWPORT NAVAL EDUCATION & TRAINING CENTER
     ELECTRICAL DISTRIBUTION SYSTEM                       8,000
     VEHICLE PARKING                                        290
      NEWPORT NAVAL EDUCATION & TRAINING CENTER                       8,290

  AIR NATIONAL GUARD
    NORTH SMITHFIELD ANGS
     ADD TO BASE SUPPLY WAREHOUSE FACILITY                  600
     COMM-ELECTRONICS TRAINING FACILITY                   2,750
      NORTH SMITHFIELD ANGS                                           3,350
                                                                 ----------
**RHODE ISLAND                                                       11,640


SOUTH CAROLINA
  ARMY
    FORT JACKSON
     CONSOLIDATED FIELD MAINTENANCE COMPLEX              23,000
      FORT JACKSON                                                   23,000

  NAVY
    BEAUFORT MARINE CORPS AIR STATION
     AVIATION ARMAMENT SHOP                               3,950
     CHILD CARE CENTER                                      970
      BEAUFORT MARINE CORPS AIR STATION                               4,920

    CHARLESTON NAVAL SUPPLY CENTER
     EMERGENCY GENERATORS                                   700
      CHARLESTON NAVAL SUPPLY CENTER                                    700

    CHARLESTON NAVAL WEAPONS STATION
     ALTERNATE ACCESS ROAD                                4,600
      CHARLESTON NAVAL WEAPONS STATION                                4,600
                                                                 ----------
  **NAVY                                                             10,220

  AIR FORCE
    CHARLESTON AFB
     C17-ADD TO AND ALTER FIELD TRAINING FAC              1,900
     C17-SHORTFIELD ASSAULT STRIP                         2,750
      CHARLESTON AFB                                                  4,650

    MYRTLE BEACH AFB
     ADD TO AND ALTER ACFT MAINT UNIT FACS                2,350
      MYRTLE BEACH AFB                                                2,350
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FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 29 JAN 1990
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($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
SOUTH CAROLINA		
AIR FORCE		
SHAW AFB		
ALTER DORMITORIES	5,700	
SHAW AFB		5,700
**AIR FORCE		12,700
ARMY NATIONAL GUARD		
EASTOVER		
ARMORY	1,500	
EASTOVER		1,500
LEXINGTON		
ARMORY, 200-PERSON	2,175	
LEXINGTON		2,175
**ARMY NATIONAL GUARD		3,675
AIR NATIONAL GUARD		
MCENTIRE		
COMM-ELECTRONICS TRAINING FACILITY	2,000	
MCENTIRE		2,000
NAVY RESERVE		
MCRC FT. JACKSON		
RESERVE TRAINING BUILDING	1,900	
MCRC FT. JACKSON		1,900
AIR FORCE RESERVE		
CHARLESTON AFB		
ADD/ALTER OPERATIONAL TRAINING FACILITY	1,650	
CHARLESTON AFB		1,650
**SOUTH CAROLINA		55,145
SOUTH DAKOTA		
AIR FORCE		
ELLSWORTH AFB		
ADD TO PHYSICAL FITNESS CENTER	11,350	
ELLSWORTH AFB		11,350
ARMY NATIONAL GUARD		
PIERRE		
RANGE M16/PISTOL BAFFLED	350	
PIERRE		350
RAPID CITY		
TRNG SITE, BOQ/BEQ FACILITY	438	
RAPID CITY		438
SIOUX FALLS		
ARMORY	1,836	
SIOUX FALLS		1,836
WATERTOWN		
RANGE, M-16/PISTOL BAFFLED	350	
WATERTOWN		350
**ARMY NATIONAL GUARD		2,974
AIR NATIONAL GUARD		
JOE FOSS FIELD		
WEAPONS RELEASE SHOP	870	
JOE FOSS FIELD		870
**SOUTH DAKOTA		15,194

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 29 JAN 1990
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TENNESSEE		
NAVY		
MEMPHIS NAVAL AIR STATION		
BARRACKS	10,000	
MEMPHIS NAVAL AIR STATION		10,000
AIR FORCE		
ARNOLD ENGINEERING DEV CENTER		
LARGE ROCKET TEST FACILITY (J-6)-PHASE II	66,000	
ARNOLD ENGINEERING DEV CENTER		66,000
ARMY NATIONAL GUARD		
BROWNSVILLE		
ARMORY, 60-PERSON	992	
BROWNSVILLE		992
CARTHAGE		
ARMORY	997	
CARTHAGE		997
CLINTON		
ARMORY	1,160	
CLINTON		1,160
HUMBOLDT		
ARMORY, 200-PERSON	1,453	
HUMBOLDT		1,453
JACKSBORO		
ARMORY	1,106	
JACKSBORO		1,106
JACKSON		
AVN LIMITED AASF	1,636	
JACKSON		1,636
SELMER		
ARMORY	751	
SELMER		751
SMYRNA		
STATE MILITARY ACADEMY	856	
SMYRNA		856
**ARMY NATIONAL GUARD		8,951
AIR NATIONAL GUARD		
MCGHEE-TYSON AIRPORT		
COMPOSITE MED TNG AND DINING HALL FAC	3,400	
PMEC SUPPORT FACILITY	4,200	
MCGHEE-TYSON AIRPORT		7,600
MEMPHIS IAP		
ADD/ALTER AIRCRAFT HANGAR	16,700	
MEMPHIS IAP		16,700
**AIR NATIONAL GUARD		24,300
**TENNESSEE		109,251
TEXAS		
ARMY		
FORT BLISS		
AMMUNITION SUPPLY POINT IMPROVEMENT	3,400	
BARRACKS MODERNIZATION	6,400	

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ACTIVE, GUARD AND RESERVE FORCES
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TEXAS		
ARMY		
FORT BLISS		
BARRACKS MODERNIZATION	6,800	
FORT BLISS		16,600
CORPUS CHRISTI ARMY DEPOT		
AIRCRAFT INSTRUMENT CALIBRATION FACILITY	5,200	
CORPUS CHRISTI ARMY DEPOT		5,200
FORT HOOD		
BARRACKS MODERNIZATION	11,200	
BATTALION HEADQUARTERS	2,800	
VEHICLE WASH FACILITY	7,000	
FORT HOOD		21,000
RED RIVER ARMY DEPOT		
CENTRAL DISTRIBUTION CENTER - PHASE III	39,000	
RED RIVER ARMY DEPOT		39,000

**ARMY		81,800
NAVY		
INGLESIDE NAVAL STATION		
BACHELOR ENLISTED QUARTERS	6,200	
EXPLOSIVE ORDNANCE DISPOSAL FACILITY	1,000	
GENERAL WAREHOUSE	4,300	
MAGAZINES	910	
PHYSICAL FITNESS FACILITY	4,870	
PUBLIC WORKS COMPLEX	2,440	
INGLESIDE NAVAL STATION		19,720
LACKLAND AFB NAVAL TECHNICAL TRNG CTR DET		
SECURITY TRAINING CENTER	4,500	
LACKLAND AFB NAVAL TECHNICAL TRNG CTR DET		4,500

**NAVY		24,220
AIR FORCE		
BERGSTROM AFB		
ADD TO AND ALTER AIRCRAFT MAINT SHOPS	2,400	
BERGSTROM AFB		2,400
CARSWELL AFB		
NOISE SUPPRESSOR SUPPORT FACILITY	650	
CARSWELL AFB		650
GOODFELLOW AFB		
FIRE STATION	1,150	
PRECISION IMAGERY COMPLEX	2,150	
GOODFELLOW AFB		3,300
KELLY AFB		
ADD TO AND ALTER LOGISTICAL SYS OPS CTR	3,930	
GAS TURBINE ENGINE REPAIR FACILITY	14,000	
KELLY AFB		17,930
LACKLAND AFB		
ADD TO WATER STORAGE AND DIST SYSTEM	3,200	
DLI-DINING FACILITY	3,550	
DLI-STUDENT DORMITORY	11,200	
LOGISTICS COMPLEX	8,000	
SECURITY POLICE TRAINING FACILITY	4,500	
UPGRADE ELECTRIC DISTRIBUTION SYSTEM	3,800	
LACKLAND AFB		34,250
LACKLAND TRAINING ANNEX		
ADD TO AND ALTER OPERATIONS FACILITY	1,994	
LACKLAND TRAINING ANNEX		1,994

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TEXAS		
AIR FORCE		
LAUGHLIN AFB		
BASE ENGINEER COMPLEX	3,750	
WATER STORAGE AND TREATMENT SYSTEM	1,600	
LAUGHLIN AFB		5,350
RANDOLPH AFB		
PETROLEUM OPERATIONS FACILITY	630	
RANDOLPH AFB		630
REESE AFB		
ADD TO AND ALTER FLIGHT SIMULATOR	400	
PETROLEUM OPERATIONS FACILITY	830	
SPECIALIZED UPT MAINTENANCE SUPPORT	3,400	
REESE AFB		4,630
**AIR FORCE		71,134
DEFENSE MEDICAL SUPPORT ACTIVITY		
INGLESIDE NAVAL STATION		
MEDICAL/DENTAL CLINIC	2,300	
INGLESIDE NAVAL STATION		2,300
LACKLAND AIR FORCE BASE		
MEDICAL CLINIC ADDITION/ALTERATION	6,000	
LACKLAND AIR FORCE BASE		6,000
FORT SAM HOUSTON		
HOSPITAL REPLACEMENT PHASE III	53,000	
FORT SAM HOUSTON		53,000
**DEFENSE MEDICAL SUPPORT ACTIVITY		61,300
ARMY NATIONAL GUARD		
CAMP BOWIE		
LAND ACQUISITION	1,750	
TRNG BKS/ADMIN/SPLY/MESS	1,341	
CAMP BOWIE		3,091
DALLAS NAS		
ARMORY, ADD/ALT	2,562	
ORGANIZATIONAL MAINTENANCE SHOP	479	
DALLAS NAS		3,041
LAREDO (FED LAND)		
ARMORY, 200-PERSON	2,263	
LAREDO (FED LAND)		2,263
ROSENBURG		
ARMORY	943	
ROSENBURG		943
SAN ANTONIO		
ARMORY, ADD/ALT	2,228	
ORGANIZATIONAL MAINTENANCE SHOP	481	
SAN ANTONIO		2,709
TEMPLE		
ARMORY, 200-PERSON	3,040	
OMS	752	
TEMPLE		3,792
**ARMY NATIONAL GUARD		15,839
AIR NATIONAL GUARD		
DALLAS NAS		
ADD TO/ALT COMPOSITE DINING AND TNG FAC	540	
DALLAS NAS		540

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TEXAS		
AIR NATIONAL GUARD		
ELLINGTON ANGB		
ALTER BASE SUPPLY AND EQUIPMENT WAREHOUSE	460	
AVIONICS SHOP	1,550	2,010
ELLINGTON ANGB		
SHEPPARD AFB		
AERIAL PORT TRAINING FACILITY	1,050	1,050
SHEPPARD AFB		
**AIR NATIONAL GUARD		3,600
AIR FORCE RESERVE		
BERGSTROM AFB		
ADD/ALTER AIRCRAFT SHOPS	3,700	3,700
BERGSTROM AFB		
**TEXAS		261,593
UTAH		
ARMY		
DUGWAY PROVING GROUND		
CENTRAL SECURITY OFFICE	1,000	
VEHICLE MAINTENANCE FACILITY	1,400	2,400
DUGWAY PROVING GROUND		
AIR FORCE		
HILL AFB		
ADD TO/ALTER DEPOT PROCUREMENT FACILITY	3,700	
CHILD DEVELOPMENT CENTER	1,300	
CONSOLIDATED TELECOMMUNICATIONS FACILITY	7,300	
ELECTRONIC COMBAT TEST RANGE THREAT SITES	2,500	
EXPLOSIVE ORDINANCE DISPOSAL FACILITY	2,150	16,950
HILL AFB		
ARMY NATIONAL GUARD		
WEST JORDAN		
AVN C-12 AIRCRAFT HANGAR	400	400
WEST JORDAN		
AIR NATIONAL GUARD		
SALT LAKE CITY IAP		
COMPOSITE VEHICLE AND AGE MAINT FACILITY	2,850	
FIRE SUPPRESSION AND DETECTION SYSTEM	900	
TAXIWAY	270	4,020
SALT LAKE CITY IAP		
**UTAH		23,770
VERMONT		
ARMY NATIONAL GUARD		
ETHAN ALLEN		
RANGE, MULTIPURPOSE TANK (RETS)	2,398	2,398
ETHAN ALLEN		
AIR NATIONAL GUARD		
BURLINGTON IAP		
ALERT AIRCRAFT SHELTER COMPLEX	3,550	
MUNITIONS MAINTENANCE AND STORAGE CPLX	3,250	6,800
BURLINGTON IAP		
**VERMONT		9,198
VIRGINIA		
ARMY		
FORT BELVOIR		
OLD ENGINEER SCHOOL BUILDINGS RENOVATION	23,000	23,000
FORT BELVOIR		

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ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 29 JAN 1990
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($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
VIRGINIA		
ARMY		
FORT LEE		
CHILD DEVELOPMENT CENTER	1,750	
ENLISTED PETROLEUM TRAINING FACILITY	8,300	
FORT LEE		10,050
FORT MONROE		
CHILD DEVELOPMENT CENTER	1,100	
FORT MONROE		1,100
FORT STORY		
UPGRADE WATER DISTRIBUTION SYSTEM	3,350	
FORT STORY		3,350
**ARMY		37,500
NAVY		
CHESAPEAKE NAVAL SECURITY GROUP ACT NW		
BACHELOR ENLISTED QUARTERS ADDITION	1,300	
CHESAPEAKE NAVAL SECURITY GROUP ACT NW		1,300
DAHLGREN NAVAL SURFACE WARFARE CENTER		
CHILD CARE CENTER	1,000	
DAHLGREN NAVAL SURFACE WARFARE CENTER		1,000
DAM NECK MARINE ENVIRONMENTAL SYSTEMS FAC		
OPERATIONS AND MAINTENANCE FACILITIES	8,500	
DAM NECK MARINE ENVIRONMENTAL SYSTEMS FAC		8,500
LITTLE CREEK NAVAL AMPHIBIOUS BASE		
BERTHING PIERS EXTENSION	3,800	
FIRE STATION	1,400	
LITTLE CREEK NAVAL AMPHIBIOUS BASE		5,200
NORFOLK NAVAL AIR STATION		
AVIATION MAINTENANCE TRAINING FACILITY ADD	4,400	
NORFOLK NAVAL AIR STATION		4,400
NORFOLK NAVAL EASTERN OCEANOGRAPHY CENTER		
OCEANOGRAPHIC CENTER ADDITION	680	
NORFOLK NAVAL EASTERN OCEANOGRAPHY CENTER		680
NORFOLK NAVAL SUPPLY CENTER		
GENERAL WAREHOUSE	6,200	
STAND-BY GENERATOR PLANT	300	
NORFOLK NAVAL SUPPLY CENTER		6,500
OCEANA NAVAL AIR STATION		
AVIONICS MAINTENANCE TRAINING FACS ADDN	1,480	
CONSOLIDATED AUTOMATED SPT SYS TRNG BLDG	2,200	
MEDIUM ATTACK WEAPONS SCHOOL	6,025	
WEAPONS SYSTEMS TRAINING FACILITY	2,850	
OCEANA NAVAL AIR STATION		12,555
PORTSMOUTH NORFOLK NAVAL SHIPYARD		
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT	9,700	
PORTSMOUTH NORFOLK NAVAL SHIPYARD		9,700
QUANTICO MARINE CORPS COMBAT DEV COMMAND		
COMMUNICATION OFFICERS SCHOOL ADDITION	3,450	
QUANTICO MARINE CORPS COMBAT DEV COMMAND		3,450
WILLIAMSBURG CHEATHAM ANX NAVAL SUPPLY CTR		
SURVEY SUPPORT FACILITY	18,500	
WILLIAMSBURG CHEATHAM ANX NAVAL SUPPLY CTR		18,500

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
VIRGINIA		
NAVY		
YORKTOWN NAVAL WEAPONS STATION		
HARM MISSILE MAGAZINE	2,900	
MISSILE FACILITY	11,100	
MISSILE MAGAZINES	4,920	
TACIT RAINBOW MISSILE MAGAZINES	2,500	
YORKTOWN NAVAL WEAPONS STATION		21,420
**NAVY		93,205
AIR FORCE		
LANGLEY AFB		
BASE EDUCATION CENTER	3,300	
LANGLEY AFB		3,300
DEFENSE MEDICAL SUPPORT ACTIVITY		
PORTSMOUTH NAVAL HOSPITAL		
HOSPITAL REPLACEMENT PHASE I	8,500	
PORTSMOUTH NAVAL HOSPITAL		8,500
DEFENSE LOGISTICS AGENCY		
DEFENSE GENERAL SUPPLY CENTER		
HAZARDOUS MATERIAL WAREHOUSE	6,066	
DEFENSE GENERAL SUPPLY CENTER		6,066
ARMY NATIONAL GUARD		
ARLINGTON HALL STATION		
NATIONAL GUARD CENTER	8,630	
ARLINGTON HALL STATION		8,630
AIR NATIONAL GUARD		
CAMP PENDLETON ANGB		
SITE DEVELOPMENT	780	
CAMP PENDLETON ANGB		780
RICHARD E BYRD IAP		
ADD TO AND ALTER AIRCRAFT ENGINE SHOP	850	
RICHARD E BYRD IAP		850
**AIR NATIONAL GUARD		1,630
FAMILY HOUSING		
ARMY		
FORT LEE		
NEW CONSTRUCTION	[160]	
FORT LEE		
FAMILY HOUSING		[160]
**VIRGINIA		158,831
FAMILY HOUSING		[160]
WASHINGTON		
ARMY		
FORT LEWIS		
RESERVOIR PROTECTION	770	
FORT LEWIS		770
NAVY		
BREMERTON NAVAL HOSPITAL		
BACHELOR ENLISTED QUARTERS	1,000	
BREMERTON NAVAL HOSPITAL		1,000
BREMERTON PUGET SOUND NAVAL SHIPYARD		
CHILD CARE CENTER	1,000	

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WASHINGTON		
NAVY		
BREMERTON PUGET SOUND NAVAL SHIPYARD		
INDUSTRIAL SUPPORT COMPLEX (INCREMENT I)	18,900	
BREMERTON PUGET SOUND NAVAL SHIPYARD		19,900
BREMERTON PUGET SOUND NAVAL SUPPLY CENTER		
EMERGENCY GENERATORS	690	
BREMERTON PUGET SOUND NAVAL SUPPLY CENTER		690
EVERETT NAVAL STATION		
CARRIER PIER (PHASE II)	11,200	
EVERETT NAVAL STATION		11,200
KEYPORT NAVAL UNDERSEA WARFARE ENGR STA		
BACHELOR ENLISTED QUARTERS MODERNIZATION	1,850	
UNDERSEA WARFARE ENGINEERING CENTER	10,400	
KEYPORT NAVAL UNDERSEA WARFARE ENGR STA		12,250
OSO JIM CREEK NAVAL RADIO STATION		
STAND-BY GENERATOR PLANT	1,200	
OSO JIM CREEK NAVAL RADIO STATION		1,200
**NAVY		46,240
AIR FORCE		
FAIRCHILD AFB		
SURVIVAL TRAINING DORMITORY	10,000	
TEMPORARY LODGING FACILITY	4,200	
FAIRCHILD AFB		14,200
DEFENSE MEDICAL SUPPORT ACTIVITY		
FORT LEWIS		
HOSPITAL REPLACEMENT PHASE VI	16,000	
FORT LEWIS		16,000
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT MANCHESTER		
FUEL PIER	22,600	
DEF FUEL SUPPORT POINT MANCHESTER		22,600
ARMY NATIONAL GUARD		
YAKIMA		
ARMORY	2,182	
ORGANIZATIONAL MAINTENANCE SHOPS	333	
YAKIMA		2,515
**WASHINGTON		102,325
WEST VIRGINIA		
ARMY NATIONAL GUARD		
BUCKHANNON		
USPFO ADD/ALT	1,500	
BUCKHANNON		1,500
HUNTINGTON		
ARMORY, ADD/ALT	546	
HUNTINGTON		546
WHEELING LAASF		
ARMORY, 100-PERSON	1,493	
AVN (LIMITED) NEW AASF	3,833	
WHEELING LAASF		5,326
**ARMY NATIONAL GUARD		7,372

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 29 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WEST VIRGINIA		
AIR NATIONAL GUARD		
E WV REGIONAL APT (MARTINSBURG)		
ALTER OPERATIONS AND TRAINING FACILITIES	480	
JET FUEL STORAGE COMPLEX	3,300	
E WV REGIONAL APT (MARTINSBURG)		3,780
KANAWHA COUNTY AIRPORT		
ALTER WEAPONS SECURITY AND MISSION SPT	1,940	
KANAWHA COUNTY AIRPORT		1,940
YEAGER AIRPORT		
ADD TO SECURITY POLICE OPERATIONS	245	
YEAGER AIRPORT		245
**AIR NATIONAL GUARD		5,965
ARMY RESERVE		
BECKLEY		
ARMY RESERVE CENTER/MAINTENANCE FAC	3,200	
BECKLEY		3,200
ELKINS		
ARMY RESERVE CENTER/MAINTENANCE FAC	1,400	
ELKINS		1,400
KINGWOOD		
ARMY RESERVE CENTER	1,400	
KINGWOOD		1,400
MORGANTOWN		
ARMY RESERVE CENTER/MAINTENANCE FAC	1,900	
MORGANTOWN		1,900
RAINELLE		
ARMY RESERVE CENTER/MAINTENANCE FAC	2,200	
RAINELLE		2,200
**ARMY RESERVE		10,100
**WEST VIRGINIA		23,437
WISCONSIN		
ARMY NATIONAL GUARD		
NEW RICHMOND		
ARMORY, 100-PERSON	1,241	
NEW RICHMOND		1,241
WHITEWATER		
ARMORY, 100-PERSON	1,181	
MVSB MOTOR VEHICLE STORAGE	306	
OMS	764	
WHITEWATER		2,251
**ARMY NATIONAL GUARD		3,492
ARMY RESERVE		
FORT MCCOY		
ARMY RESERVE REGIONAL TRAINING SITE	12,089	
REGIONAL TRAINING SITE-MAINTENANCE	2,641	
FORT MCCOY		14,730
**WISCONSIN		18,222
WYOMING		
AIR FORCE		
FE WARREN AFB		
PEACEKEEPER-ADD TO AND ALTER COMM FAC	720	

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 29 JAN 1990
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WYOMING		
AIR FORCE		
FE WARREN AFB		
PEACEKEEPER-ADD TO AND ALTER MSL OPS FAC	2,050	
PEACEKEEPER-GARRISON FACILITIES	52,000	
PEACEKEEPER-LAND ACQUISITION	780	
PEACEKEEPER-MAINTENANCE FACILITY	1,550	
PEACEKEEPER-MISSILE ASSEMBLY FACILITY	24,000	
PEACEKEEPER-MISSILE RAIL TRAINER FACILITY	4,000	
PEACEKEEPER-ROAD/RAILROAD AND UTILITIES	14,600	
PEACEKEEPER-TRAINING FACILITY	2,950	
PEACEKEEPER-TRAINING TRAIN SHELTER	2,200	
FE WARREN AFB		104,850
ARMY NATIONAL GUARD		
CAMP GUERNSEY		
RANGE, MRF (RETS)	810	
CAMP GUERNSEY		810
CHEYENNE		
ARMORY, ANNEX	2,351	
AVIATION PARKING IMPROVEMENTS	340	
CHEYENNE		2,691
DOUGLAS		
ARMORY	1,033	
DOUGLAS		1,033
**ARMY NATIONAL GUARD		4,534
**WYOMING		109,384
CONUS CLASSIFIED		
ARMY		
CLASSIFIED LOCATIONS		
CLASSIFIED PROJECT	3,900	
LAND ACQUISITION	600	
SPECIAL OPERATIONS TRAINING COMPLEX	3,400	
CLASSIFIED LOCATIONS		7,900
DEFENSE LEVEL ACTIVITIES		
CLASSIFIED LOCATION		
CHILLED WATER PLANT	4,500	
CLASSIFIED LOCATION		4,500
**CONUS CLASSIFIED		12,400

TOTALS

ARMY	892,509
FAMILY HOUSING	[35,982]
NAVY	958,777
FAMILY HOUSING	[91,560]
AIR FORCE	1,260,031
DEFENSE AGENCIES	327,650
INSIDE THE UNITED STATES	3,438,967
FAMILY HOUSING	[127,542]

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 29 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ASCENSION ISLAND		
NAVY		
NAVAL COMMUNICATION DETACHMENT		
UTILITIES SUPPORT UPGRADE	3,500	
NAVAL COMMUNICATION DETACHMENT		3,500
AUSTRALIA		
NAVY		
EXMOUTH HAROLD E HOLD NAVAL COMM STATION		
FIRE PROTECTION SYSTEM	610	
EXMOUTH HAROLD E HOLD NAVAL COMM STATION		610
BERMUDA		
DOD DEPENDENT SCHOOLS		
BERMUDA		
ROGER B. CHAFFEE ELEM SCHOOL	4,810	
BERMUDA		4,810
CANADA		
AIR FORCE		
VARIOUS LOCATIONS-CANADA		
FORWARD OPERATING LOCATIONS	12,000	
VARIOUS LOCATIONS-CANADA		12,000
GERMANY		
ARMY		
ANSBACH		
CHILD DEVELOPMENT CENTER	2,900	
ANSBACH		2,900
AUGSBURG		
ELECTRICAL POWER SYSTEM UPGRADE	600	
AUGSBURG		600
GRAFENWOEHR		
MULTI-PURPOSE TRAINING RANGE	6,500	
GRAFENWOEHR		6,500
HANAU		
AIRCRAFT PARKING APRON REFUELING FACILITY	8,300	
HELICOPTER PARKING APRON	6,500	
HANAU		14,800
HEILBRONN		
HARDSTAND & WASH FACILITY	5,900	
HEILBRONN		5,900
HOHENFELS TNG AREA		
*CLASS I WAREHOUSE ADDITION/MODERNIZATION	3,550	
FUEL STORAGE FACILITY	1,800	
*TRAINING SUPPORT CENTER	1,450	
UNACCOMPANIED PERSONNEL HOUSING	3,150	
HOHENFELS TNG AREA		9,950
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(5,000)
MAINZ		
AVIATION UNIT MAINTENANCE HANGAR	12,000	
AVIATION UNIT MAINTENANCE HANGAR	14,400	
MAINZ		26,400
STUTTGART		
COMMAND CENTER MODERNIZATION	9,400	
STUTTGART		9,400

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 29 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
ARMY		
VARIOUS SITES		
WARTIME HOST NATION SUPPORT	4,150	
VARIOUS SITES		4,150
VILSECK		
*BATTALION HEADQUARTERS	1,900	
*POST OFFICE	1,300	
VILSECK		3,200
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(3,200)
WUERZBURG		
AMMUNITION STORAGE	1,400	
HELICOPTER PARKING APRON	10,600	
WUERZBURG		12,000
**ARMY		95,800
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(8,200)
AIR FORCE		
HAHN AB		
ANTENNA SUPPORT STRUCTURE	2,500	
LANTIRN MAINTENANCE FACILITY	220	
TRAINING/SOFTWARE MAINTENANCE FACILITY	1,400	
HAHN AB		4,120
SEMBACH AB		
COMBAT REPAIR EQUIPMENT STORAGE FACILITY	1,250	
SEMBACH AB		1,250
SPANGDAHLEM AB		
COMBAT REPAIR EQUIPMENT STORAGE FACILITY	1,250	
SPANGDAHLEM AB		1,250
ZWEIBRUCKEN AB		
ADD TO AND ALTER SEWAGE TREATMENT SYSTEM	4,950	
PASSIVE DEFENSE EQUIPMENT STORAGE FAC	1,150	
ZWEIBRUCKEN AB		6,100
**AIR FORCE		12,720
DOD DEPENDENT SCHOOLS		
FRANKFURT		
EDWARDS ELEMENTARY SCHOOL	7,101	
FRANKFURT		7,101
GRAFENWOEHR		
ELEMENTARY SCHOOL ADDITION	4,186	
GRAFENWOEHR		4,186
HOHENFELS		
ELEMENTARY SCHOOL ADDITION	7,177	
MIDDLE/HIGH SCHOOL ADDITION	9,902	
HOHENFELS		17,079
**DOD DEPENDENT SCHOOLS		28,366
FAMILY HOUSING		
AIR FORCE		
RAMSTEIN AB		
NEW CONSTRUCTION (200)	[18,722]	
RAMSTEIN AB		
FAMILY HOUSING		[18,722]
**GERMANY		136,886
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(8,200)
FAMILY HOUSING		[18,722]

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 29 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GUAM		
NAVY		
CAMP COVINGTON MOBILE CONSTR BATTALION		
MESS HALL	4,300	
CAMP COVINGTON MOBILE CONSTR BATTALION		4,300
NAVY PUBLIC WORKS CENTER		
MUNICIPAL SEWER CONNECTION	4,150	
NAVY PUBLIC WORKS CENTER		4,150
**NAVY		8,450
AIR FORCE		
ANDERSEN AFB		
ALTER DORMITORY	6,500	
ANDERSEN AFB		6,500
ARMY RESERVE		
APRA HEIGHTS		
ADD/ALT ARMY RESERVE CTR/NEW STORAGE BLDG	957	
APRA HEIGHTS		957
**GUAM		15,907
FAMILY HOUSING		
GUANTANAMO BAY, CUBA		
NAVY		
NAVAL STATION GUANTANAMO BAY		
NEW CONSTRUCTION (120)	[15,000]	
NAVAL STATION GUANTANAMO BAY FAMILY HOUSING		[15,000]
ICELAND		
NAVY		
KEFLAVIK NAVAL AIR STATION		
FUEL FACILITIES	7,500	
KEFLAVIK NAVAL AIR STATION		7,500
KEFLAVIK NAVAL COMMUNICATION STATION		
COMMUNICATIONS ANTENNA	7,760	
TRANSMITTER BUILDING ADDITION	690	
KEFLAVIK NAVAL COMMUNICATION STATION		8,450
**NAVY		15,950
AIR FORCE		
KEFLAVIK		
F15-FUEL SYSTEMS MAINTENANCE DOCK	7,400	
KEFLAVIK		7,400
FAMILY HOUSING		
NAVY		
NAVAL AIR STATION KEFLAVIK		
NEW CONSTRUCTION (112)	[23,213]	
NAVAL AIR STATION KEFLAVIK FAMILY HOUSING		[23,213]
**ICELAND		23,350
FAMILY HOUSING		[23,213]
ITALY		
NAVY		
NAPLES NAVAL SUPPORT ACTIVITY		
CMD CTRL COMMS & INTEL COMPLEX (INC II)	46,600	
NAPLES NAVAL SUPPORT ACTIVITY		46,600

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 29 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ITALY		
AIR FORCE		
AVIANO AB		
ALTER MUNITIONS STORAGE FACILITY	1,300	
MUNITIONS STORAGE IGLOOS	950	
AVIANO AB		2,250
SAN VITO AS		
TRANSIENT DORMITORY	2,750	
SAN VITO AS		2,750
**AIR FORCE		5,000
**ITALY		51,600
JOHNSTON ISLAND		
DEFENSE NUCLEAR AGENCY		
DNA HDQTRS FIELD COMMAND		
ALTER POWER PLANT PHASE I	4,500	
SHORE LINE PROTECTION PHASE I	1,668	
DNA HDQTRS FIELD COMMAND		6,168
KOREA		
AIR FORCE		
KUNSAN AB		
ALTER MUNITIONS STORAGE FACILITY	3,200	
AVIONICS FACILITY	4,700	
KUNSAN AB		7,900
OSAN AB		
F16-ADD TO ENGINE INSPECTION & REPAIR FAC	800	
*F16-AIRCRAFT MAINTENANCE UNIT FACILITY	2,650	
OSAN AB		3,450
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(2,650)
**AIR FORCE		11,350
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(2,650)
DEFENSE MEDICAL SUPPORT ACTIVITY		
CAMP CARROLL		
FROZEN BLOOD FACILITY	1,500	
CAMP CARROLL		1,500
CAMP GARRY OWEN		
TROOP MEDICAL CLINIC REPLACEMENT	800	
CAMP GARRY OWEN		800
**DEFENSE MEDICAL SUPPORT ACTIVITY		2,300
**KOREA		13,650
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(2,650)
KWAJALEIN		
ARMY		
KWAJALEIN		
DOCUMENT CONTROL FACILITY ADDITION	1,650	
FRESH WATER PRODUCTION FACILITY	4,600	
SEWAGE TREATMENT PLANT	3,250	
KWAJALEIN		9,500
OMAN		
AIR FORCE		
SEEB AB		
WAR READINESS MATERIEL WAREHOUSE	2,200	
SEEB AB		2,200

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 29 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
OMAN		
AIR FORCE		
THUMRAIT AB		
AIRFIELD IMPROVEMENTS	17,000	
WAR READINESS MATERIEL WAREHOUSE	6,600	
THUMRAIT AB		23,600
**AIR FORCE		25,800
PORTUGAL		
AIR FORCE		
LAJES FIELD		
COMBAT REPAIR EQUIPMENT STORAGE FACILITY	1,600	
HYDRANT FUELING SYSTEM	6,100	
LAJES FIELD		7,700
PUERTO RICO		
ARMY		
FORT BUCHANAN		
UPGRADE WATER DISTRIBUTION SYSTEM	690	
FORT BUCHANAN		690
NAVY		
ROOSEVELT RDS NAVAL COMMUNICATION STATION		
TRANSMITTER COOLING SYSTEM	1,300	
ROOSEVELT RDS NAVAL COMMUNICATION STATION		1,300
DOD DEPENDENT SCHOOLS		
FORT BUCHANAN		
HIGH SCHOOL	1,155	
FORT BUCHANAN		1,155
ROOSEVELT ROADS		
ELEMENTARY SCHOOL	3,261	
HIGH SCHOOL	3,280	
ROOSEVELT ROADS		6,541
**DOD DEPENDENT SCHOOLS		7,696
**PUERTO RICO		9,686
SCOTLAND		
NAVY		
EDZELL NAVAL SECURITY GROUP ACTIVITY		
OPERATIONS BUILDING ADDITION	5,820	
EDZELL NAVAL SECURITY GROUP ACTIVITY		5,820
SPAIN		
NAVY		
ROTA NAVAL STATION		
CHILD DEVELOPMENT CENTER	1,900	
ROTA NAVAL STATION		1,900
TURKEY		
ARMY		
LOCATION 276		
RECREATION CENTER	1,950	
LOCATION 276		1,950
AIR FORCE		
BALIKESIR		
DORMITORY	3,600	
BALIKESIR		3,600

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 29 JAN 1990

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TURKEY		
AIR FORCE		
ERHAC		
DORMITORY	2,750	
ERHAC		2,750
INCIRLIK AB		
COMBAT REPAIR EQUIPMENT STORAGE FACILITY	1,100	
INCIRLIK AB		1,100
**AIR FORCE		7,450
**TURKEY		9,400
UNITED KINGDOM		
AIR FORCE		
BOVINGDON RADIO RELAY SITE		
DCS SITE SECURITY	400	
BOVINGDON RADIO RELAY SITE		400
RAF ALCONBURY		
CONVENTIONAL MUNITIONS SHOP	1,300	
RAF ALCONBURY		1,300
RAF BARFORD ST JOHN		
PHYSICAL PROTECTION	490	
RAF BARFORD ST JOHN		490
RAF BENTWATERS		
*ADD TO/UPGRADE FIRE STATION	1,250	
ALTER MUNITIONS STORAGE FACILITY	2,450	
RAF BENTWATERS		3,700
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(1,250)
RAF CHRISTMAS COMMON		
DCS SITE SECURITY	210	
RAF CHRISTMAS COMMON		210
RAF FAIRFORD		
DIGITAL EUROPEAN BACKBONE FACILITY	1,350	
RAF FAIRFORD		1,350
RAF MILDENHALL		
UPGRADE SEWAGE TREATMENT PLANT	1,650	
RAF MILDENHALL		1,650
RAF UPPER HEYFORD		
ALTER MUNITIONS STORAGE FACILITY	1,000	
RAF UPPER HEYFORD		1,000
**AIR FORCE		10,100
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(1,250)
DOD DEPENDENT SCHOOLS		
BICESTER		
ELEMENTARY SCHOOL	6,275	
BICESTER		6,275
UPWOOD		
ELEMENTARY SCHOOL ADDITION	4,175	
UPWOOD		4,175
**DOD DEPENDENT SCHOOLS		10,450
**UNITED KINGDOM		20,550
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(1,250)

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 29 JAN 1990
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION ------------------PROJECT NAME---------------	PROJ COST	TOTAL
OVERSEAS CLASSIFIED		
NAVY		
OVERSEAS CLASSIFIED		
SEAL TEAM OPERATIONS FACS (INCR II)	5,800	
OVERSEAS CLASSIFIED		5,800
AIR FORCE		
OVERSEAS CLASSIFIED		
F15E-ADD TO AND ALTER FLIGHT SIM FAC	740	
OVERSEAS CLASSIFIED		740
NATIONAL SECURITY AGENCY		
CLASSIFIED OVERSEAS LOCATIONS		
CLASSIFIED PROJECT	23,000	
CLASSIFIED OVERSEAS LOCATIONS		23,000
FAMILY HOUSING		
NATIONAL SECURITY AGENCY		
OVERSEAS CLASSIFIED		
CLASSIFIED PROJECT (3)	[400]	
OVERSEAS CLASSIFIED FAMILY HOUSING		[400]
**OVERSEAS CLASSIFIED		29,540
FAMILY HOUSING		[400]
OVERSEAS VARIOUS		
ARMY		
VARIOUS LOCATIONS		
WAR RESERVE STORAGE	6,100	
VARIOUS LOCATIONS		6,100
DOD DEPENDENT SCHOOLS		
VARIOUS LOCATIONS		
HOT LUNCH FACILITIES	6,600	
VARIOUS LOCATIONS		6,600
**OVERSEAS VARIOUS		12,700

TOTALS

ARMY	114,997
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR	(8,200)
NAVY	89,930
FAMILY HOUSING	[38,213]
AIR FORCE	106,760
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR	(3,900)
FAMILY HOUSING	[18,722]
DEFENSE AGENCIES	89,390
FAMILY HOUSING	[400]
SPECIFIED OUTSIDE THE UNITED STATES	401,077
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR	(12,100)
FAMILY HOUSING	[57,335]

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 29 JAN 1990
UNSPECIFIED WORLDWIDE
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WORLDWIDE UNSPECIFIED		
NATO INFRASTRUCTURE		
DEFENSE LEVEL ACTIVITIES	444,714	
NATO INFRASTRUCTURE		444,714
ACCESS ROADS		
NAVY	5,810	
ACCESS ROADS		5,810
CONTINGENCY CONSTRUCTION		
DEFENSE LEVEL ACTIVITIES	10,000	
CONTINGENCY CONSTRUCTION		10,000
REPROGRAMING ALLOWANCE		
AIR FORCE	10,000	
REPROGRAMING ALLOWANCE		10,000
LAND ACQUISITIONS		
ARMY RESERVE	4,314	
LAND ACQUISITIONS		4,314
UNSPECIFIED MINOR CONSTRUCTION		
ARMY	11,000	
NAVY	14,080	
AIR FORCE	7,000	
DEFENSE MEDICAL SUPPORT ACTIVITY	2,100	
STRATEGIC DEFENSE INITIATIVE ORGANIZATION	2,000	
DEFENSE LEVEL ACTIVITIES	2,000	
JOINT CHIEFS OF STAFF	7,000	
ARMY NATIONAL GUARD	7,500	
AIR NATIONAL GUARD	3,000	
ARMY RESERVE	1,751	
NAVY RESERVE	1,579	
AIR FORCE RESERVE	3,109	
UNSPECIFIED MINOR CONSTRUCTION		62,119
PLANNING AND DESIGN		
ARMY	79,420	
NAVY	82,000	
AIR FORCE	99,000	
WASHINGTON HEADQUARTERS SERVICES	4,000	
DEFENSE MEDICAL SUPPORT ACTIVITY	44,600	
STRATEGIC DEFENSE INITIATIVE ORGANIZATION	2,000	
DEFENSE LEVEL ACTIVITIES	35,700	
ARMY NATIONAL GUARD	11,600	
AIR NATIONAL GUARD	12,400	
ARMY RESERVE	8,388	
NAVY RESERVE	4,224	
AIR FORCE RESERVE	10,526	
PLANNING AND DESIGN		393,858
WORLDWIDE UNSPECIFIED		930,815
WORLDWIDE VARIOUS		
ARMY		
OVERSEAS VARIOUS LOCATIONS-WORLDWIDE VARIOUS		
CURRENCY ADJUSTMENT	8,600	
OVERSEAS VARIOUS LOCATIONS		8,600
NAVY		
LAND ACQUISITION-WORLDWIDE VARIOUS		
LAND ACQUISITION	22,300	
LAND ACQUISITION		22,300
VARIOUS LOCATIONS-WORLDWIDE VARIOUS		
HOST NATION INFRASTRUCTURE SUPPORT	1,000	
VARIOUS LOCATIONS		1,000
NAVY		23,300

FY 1990 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 29 JAN 1990
UNSPECIFIED WORLDWIDE
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WORLDWIDE VARIOUS		
DEFENSE LOGISTICS AGENCY		
VARIOUS LOCATIONS		
CONFORMING STORAGE FACILITIES	11,000	
VARIOUS LOCATIONS		11,000
AIR NATIONAL GUARD		
PUBLIC LAW 99-177 (GRH) REDUCTIONS-WORLDWIDE VARIOUS		
PL 99-177 (GRH)	-2,463	
PUBLIC LAW 99-177 (GRH) REDUCTIONS		-2,463
ARMY RESERVE		
PUBLIC LAW 99-177 (GRH) REDUCTIONS-WORLDWIDE VARIOUS		
PL 99-177 (GRH)	-1,336	
PUBLIC LAW 99-177 (GRH) REDUCTIONS		-1,336
WORLDWIDE VARIOUS		39,101

TOTALS

ARMY	131,237
NAVY	130,993
AIR FORCE	142,572
DEFENSE AGENCIES	565,114
UNSPECIFIED WORLDWIDE	969,916

FY 1990 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

DATA AS OF 29 JAN 1990

($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ARMY		
NEW CONSTRUCTION		
ALABAMA		
FORT RUCKER		
NEW CONSTRUCTION	300	
FORT RUCKER		300
HAWAII		
HELEMANO		
NEW CONSTRUCTION (90)	10,322	
HELEMANO		10,322
HICKAM AFB		
NEW CONSTRUCTION (20)	2,500	
HICKAM AFB		2,500
KANEOHE MCAS		
NEW CONSTRUCTION (40)	4,700	
KANEOHE MCAS		4,700
VARIOUS OAHU		
NEW CONSTRUCTION (180)	18,000	
VARIOUS OAHU		18,000
HAWAII		35,522
VIRGINIA		
FORT LEE		
NEW CONSTRUCTION	160	
FORT LEE		160
NEW CONSTRUCTION		35,982
CONSTRUCTION IMPROVEMENTS	40,000	40,000
PLANNING	3,000	3,000
TOTAL FAMILY HOUSING, ARMY CONSTRUCTION		78,982
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	75,530	
MANAGEMENT ACCOUNT	71,862	
MISCELLANEOUS ACCOUNT	1,617	
SERVICES ACCOUNT	55,587	
UTILITIES ACCOUNT	296,784	
OPERATING EXPENSES		501,380
LEASING	319,142	319,142
MAINTENANCE OF REAL PROPERTY	554,120	554,120
TOTAL FAMILY HOUSING, ARMY OPERATIONS		1,374,642
INTEREST PAYMENTS	37	37
MORTGAGE INSURANCE PREMIUMS	21	21
TOTAL FAMILY HOUSING, ARMY DEBT		58
GRAND TOTAL FAMILY HOUSING, ARMY		1,453,682
NAVY		
NEW CONSTRUCTION		
CALIFORNIA		
MARINE CORPS AIR STATION EL TORO		
NEW CONSTRUCTION (200)	15,000	
MARINE CORPS AIR STATION EL TORO		15,000

FY 1990 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

DATA AS OF 29 JAN 1990

($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NAVY		
NEW CONSTRUCTION		
CALIFORNIA		
MARINE CORPS BASE CAMP PENDLETON		
NEW CONSTRUCTION (295)	25,150	
MARINE CORPS BASE CAMP PENDLETON		25,150
NAS MOFFETT FIELD		
NEW CONSTRUCTION (74)	6,600	
NAS MOFFETT FIELD		6,600
PUBLIC WORKS CENTER SAN FRANCISCO		
NEW CONSTRUCTION (344)	28,350	
PUBLIC WORKS CENTER SAN FRANCISCO		28,350
CALIFORNIA		75,100
ILLINOIS		
GLENVIEW NAVAL AIR STATION		
NEW CONSTRUCTION (140)	15,300	
GLENVIEW NAVAL AIR STATION		15,300
MARYLAND		
NAVAL SUPPORT FACILITY		
NEW CONSTRUCTION (11)	1,160	
NAVAL SUPPORT FACILITY		1,160
GUANTANAMO BAY, CUBA		
NAVAL STATION GUANTANAMO BAY		
NEW CONSTRUCTION (120)	15,000	
NAVAL STATION GUANTANAMO BAY		15,000
ICELAND		
NAVAL AIR STATION KEFLAVIK		
NEW CONSTRUCTION (112)	23,213	
NAVAL AIR STATION KEFLAVIK		23,213
NEW CONSTRUCTION		129,773
CONSTRUCTION IMPROVEMENTS	41,748	41,748
PLANNING	3,100	3,100
TOTAL FAMILY HOUSING, NAVY CONSTRUCTION		174,621
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	18,688	
MANAGEMENT ACCOUNT	51,018	
MISCELLANEOUS ACCOUNT	787	
SERVICES ACCOUNT	35,367	
UTILITIES ACCOUNT	176,096	
OPERATING EXPENSES		281,956
LEASING	41,488	41,488
MAINTENANCE OF REAL PROPERTY	300,048	300,048
TOTAL FAMILY HOUSING, NAVY OPERATIONS		623,492
MORTGAGE INSURANCE PREMIUMS	208	208
TOTAL FAMILY HOUSING, NAVY DEBT		208
GRAND TOTAL FAMILY HOUSING, NAVY		798,321
AIR FORCE		
NEW CONSTRUCTION		
GERMANY		
RAMSTEIN AB		
NEW CONSTRUCTION (200)	18,722	
RAMSTEIN AB		18,722
NEW CONSTRUCTION		18,722

FY 1990 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

DATA AS OF 29 JAN 1990

($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
AIR FORCE		
CONSTRUCTION IMPROVEMENTS	173,349	173,349
PLANNING	8,000	8,000
TOTAL FAMILY HOUSING, AIR FORCE CONSTRUCTION		200,071
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	51,436	
MANAGEMENT ACCOUNT	37,499	
MISCELLANEOUS ACCOUNT	6,649	
SERVICES ACCOUNT	27,115	
UTILITIES ACCOUNT	223,580	
OPERATING EXPENSES		346,279
LEASING	96,000	96,000
PL 99-177 (GRH)	-2,153	-2,153
MAINTENANCE OF REAL PROPERTY	299,439	299,439
TOTAL FAMILY HOUSING, AIR FORCE OPERATIONS		739,565
MORTGAGE INSURANCE PREMIUMS	90	90
TOTAL FAMILY HOUSING, AIR FORCE DEBT		90
GRAND TOTAL FAMILY HOUSING, AIR FORCE		939,726
DEFENSE MAPPING AGENCY		
LEASING	37	37
TOTAL FAMILY HOUSING, DMA		37
NATIONAL SECURITY AGENCY		
NEW CONSTRUCTION		
OVERSEAS CLASSIFIED		
OVERSEAS CLASSIFIED		
CLASSIFIED PROJECT (3)	400	
OVERSEAS CLASSIFIED		400
WORLDWIDE VARIOUS		
PUBLIC LAW 99-177 (GRH) REDUCTIONS		
PL 99-177 (GRH)	-100	
PUBLIC LAW 99-177 (GRH) REDUCTIONS		-100
NEW CONSTRUCTION		300
CONSTRUCTION IMPROVEMENTS	47	47
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	100	
MANAGEMENT ACCOUNT	105	
MISCELLANEOUS ACCOUNT	1	
SERVICES ACCOUNT	312	
UTILITIES ACCOUNT	360	
OPERATING EXPENSES		878
LEASING	7,680	7,680
MAINTENANCE OF REAL PROPERTY	200	200
TOTAL FAMILY HOUSING, NSA		9,105
DEF INTELLIGENCE AGENCY		
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	1,151	
OPERATING EXPENSES		1,151

FY 1990 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

DATA AS OF 29 JAN 1990

($ THOUSANDS)

STATE/COMP./INSTALLATION -------------------PROJECT NAME---------------	PROJ COST	TOTAL
DEF INTELLIGENCE AGENCY		
LEASING	10,108	10,108
PL 99-177 (GRH)	-76	-76
TOTAL FAMILY HOUSING, DIA		11,183
DEFENSE LOGISTICS AGENCY		
CONSTRUCTION IMPROVEMENTS	153	153
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	13	
SERVICES ACCOUNT	14	
UTILITIES ACCOUNT	109	
OPERATING EXPENSES		136
MAINTENANCE OF REAL PROPERTY	510	510
TOTAL FAMILY HOUSING, DLA		799
GRAND TOTAL FAMILY HOUSING, DEFENSE		21,124
ARMY		
PAYMENT TO HOMEOWNERS	522	522
OTHER OPERATING COSTS	1,515	1,515
ACQUISITION OF REAL PROPERTY	1,536	1,536
MORTGAGES ASSUMED	2,634	2,634
ARMY		6,207